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AFSC 2A5X3C

ELECTRONIC WARFARE SYSTEMS



CAREER FIELD EDUCATION AND TRAINING PLAN

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ELECTRONIC WARFARE SYSTEMS
AFSC 2A5X3C

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AFSC 2A5X3C
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PART I

PREFACE

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training. To read, review, or print a copy of current CFETP, go to the Aircraft Maintenance Homepage at

<http://www.il.hq.af.mil/ilm/ilmm/acmaint/index.html>. **NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; supervisors will use both parts of the CFETP to plan, manage, and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints. Some examples are funds, manpower, equipment, facilities. Section E identifies transition training guide requirements to support career field restructures.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training; Air Education and Training Command (AETC) conducted training; wartime course requirements; core tasks; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a Qualification Training Package (QTP) developed to support proficiency training. These QTP packages are identified in AFIND8, *Numerical Index of Specialized Educational Training Publications*. Section D identifies a training course index supervisors use to determine resources available to support training; included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors use to determine additional training requirements unique to the MAJCOM.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Only a percentage of critical tasks for each system are listed as mandatory core tasks. Core tasks identified with an *R are optional for AFRC and ANG.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-, 5-, and 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing and Conducting Military Training Programs*.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Mission Ready Airman (MRA). A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, or equipment that preclude desired training from being accomplished.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist Air Force Career Field Managers (AFCFM) in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) Functional Managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

SECTION A - GENERAL INFORMATION

1. Purpose: This CFETP provides the information necessary for Air Force Career Field Manager (AFCFM), MAJCOM Functional Managers (MFMs), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A5X3C should receive to develop and progress throughout their career. This CFETP identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted by AETC at Sheppard AFB TX. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after upgrade training. It is designed to provide the performance skills/knowledge to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes; some are:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field's training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.

1.3. Lists training courses available in the specialty and identifies sources of training, and the training delivery method.

1.4. Identifies major resource constraints, which impact full implementation of the desired career field training process.

2. Uses: This plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, non-resident, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM developed mandatory training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

3. Coordination and Approval: The AFCFM is the approving authority. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for AFSC 2A5X3C will initiate an annual review of this document by AETC and MAJCOM AFSC functional managers to ensure currency and accuracy. Using the list of courses in Part II, will eliminate duplicate training.

SECTION B - CAREER FIELD PROGRESSION AND INFORMATION

4. Specialty Descriptions:

4.1. Specialty Summary (Apprentice-Craftsman): Supervises and performs inspections, installation, and maintenance on avionic Electronic Warfare (EW) intercept and analysis equipment, and special purpose support equipment (SE). Related DoD Occupational Subgroup: 198.

4.2. Duties and Responsibilities.

4.2.1. Electronic Warfare Systems Apprentice (2A533C). Performs maintenance on avionic EW, intercept, and analysis equipment. Adjusts or replaces defective units or components. Repairs avionic EW, intercept, and analysis equipment. Repairs intercept, panoramic, and radar warning receivers; jamming transmitters; dispensers; signal analysis equipment; recorders; direction finders; digital computer subsystems; and special purpose SE. Tests repaired components for proper assembly using bench mockups and test equipment. Adjusts, aligns, and calibrates equipment. Overhauls modules, including replacement of components using hand tools, soldering equipment, and specialized electronic instruments. Modifies EW equipment, and installs components according to technical publications. Posts entries on maintenance and inspection records. Installs and removes internally and externally mounted nonmunitions avionic EW, intercept, and analysis equipment. Checks equipment for serviceability. Assembles, connects, and interwires equipment. Operates and maintains reprogramming and memory loading devices. Verifies configuration of installed EW equipment and software. Operates, and tunes, and adjusts equipment.

4.2.2. Electronic Warfare Systems Journeyman (2A553C). Performs and supervises maintenance on avionic EW, intercept, and analysis equipment. Isolates malfunctions by inspections, voltage checks, resistance measurements, waveform observations, and other tests using SE, built in test equipment, or computer aided diagnostics and manuals. Adjusts or replaces defective units or components. Repairs avionic EW, intercept, and analysis equipment. Repairs intercept, panoramic, and radar warning receivers; jamming transmitters; dispensers; signal analysis equipment; recorders; direction finders; digital computer subsystems; and special purpose SE. Tests repaired components for proper assembly using bench mockups and test equipment. Adjusts, aligns, and calibrates equipment. Overhauls modules, including replacement of components using hand tools, soldering equipment, and specialized electronic instruments. Modifies EW equipment, and installs components according to technical publications. Posts entries on

maintenance and inspection records. Installs and removes internally and externally mounted non-munitions avionic EW, intercept, and analysis equipment. Checks equipment for serviceability. Assembles, connects, and inter-wires equipment. Operates and maintains reprogramming and memory loading devices. Verifies configuration of installed EW equipment and software. Operates, and tunes, and adjusts equipment.

4.2.3. Electronic Warfare Systems Craftsman (2A573C). Inspects and advises on installation, repair, and overhaul of avionic EQ, intercept, and analysis equipment. Uses layout drawings, schematics, and pictorial diagrams to solve maintenance problems. Analyzes equipment construction and operating characteristics to determine problems. Performs alignment and calibration procedures. Determines repair procedure to correct defective equipment. Interprets maintenance and installation policies and procedures. Identifies maintenance problem areas, and recommends corrective action. Recommends methods for improving maintenance efficiency. Interprets inspection findings, and determines corrective action. Checks components to ensure compliance with technical publications. Evaluates modifications. Evaluates accuracy of completed inspection and maintenance records.

4.2.4. Aerospace Maintenance Superintendent (2A590). Plans, organizes, and directs maintenance activities. Establishes production controls and work standards. Analyzes report on maintaining, installing, removing, and repairing aircraft systems to improve work methods and repair techniques. Plans physical layout of facilities. Provides for spare parts, test equipment, and other resources necessary for aircraft maintenance. Coordinates with supply, operations, and other maintenance activities to improve procedures and resolve problems. Directs and controls the inspection, adjustment, removal, replacement, and calibration of internal and external mounted aircraft equipment. Directs repair of aircraft systems. Establishes and checks inspection procedures. Determines extent and economy of repairs required. Inspects activities to solve maintenance, supply and personnel problems. Analyzes inspection findings and recommended corrective actions. Solves problems and interprets operational and technical directives to ensure quality maintenance to accomplish mission requirements. Determines funding requirements and develops budgets. Advises and briefs commanders and senior staff members on all maintenance related activities. Ensures hazardous materials and waste are handled, stored, and disposed of according to environmental standards.

5. Skill and Career Progression: Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential for everyone involved in training do their part to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives proper training at appropriate points in their career.

5.1. Apprentice (3-level). Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Courses, Task Qualification Training, and available exportable courses for continued advancement. Once task certified, a trainee may perform the task unsupervised. Apprentices can be considered for appointment as unit trainers after completion of a formal trainer course.

5.2. Journeyman (5-level). Once upgraded to the 5-level, a journeyman will enter into continuation training to broaden their experience base. Journeymen may be assigned job positions such as consolidated tool kit and bench stock monitors. 5-levels should complete available FTD courses, exportable courses, and MAJCOM specific training. Individuals will attend the Airman Leadership School (ALS) after having 48 months in the Air Force. A5-level will be considered for appointment as unit trainers after completion of a formal trainer course. Individuals will use their CDCs to prepare for promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree. Timelines and requirements may vary for ANG and AFRC.

5.3. Craftsman (7-level). A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, flight/section chief, and task certifier. They can also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge in other avionic systems and in resource/personnel management. Continued academic education through CCAF and higher degree programs is highly encouraged. In addition, when promoted to TSgt, individuals will complete the Non-commissioned Officer Academy. MSgts and MSgt selectees are eligible to enroll in the Senior NCO Correspondence Course.

5.4. Superintendent (9-level). A 9-level can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will complete the Senior Non-commissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

6. Training Decisions: The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Electronic Warfare Career Field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field Utilization and Training Workshop held at Sheppard AFB, on 20-24 Sep 1999.

6.1. Initial Skills: To complete their Initial Skills Training, personnel will first satisfactorily complete a mandatory resident course.

6.2. Five-Level Upgrade Training. The CDC will be comprised of six volumes that include information on general avionic subjects, maintenance principles, electronic warfare principles and representative electronic warfare systems.

6.3. Seven-Level Upgrade Training. There are no current AFSC-specific 7-level CDC requirements for this career field. However, the Air Force Career Field Manager introduced and briefed the 2AX7X, Maintenance Supervision and Management CDC: Unit 1, Management within the Maintenance Complex; Unit 2, Enlisted Specialty Training; Unit 3, Accountability for Records, Reports, and Forms; Unit 4, Supply Management; Unit 5, Logistics and Resource Management; and Unit 6, Computers and Computer Usage. The working group agreed to use this course as the career field's 7-level CDC.

6.4. Continuation Training. The purpose of the continuation-training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a continuation training program that ensures individuals in the Electronic Warfare career field receive the necessary training at the appropriate point in their career. The training program will identify both mandatory and optional training requirements.

7. Community College of the Air Force (CCAF) Academic Programs: Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associate in Applied Sciences Degree. In addition, CCAF offers the following:

7.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an Associates Degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2. Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels; Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. Degree Requirements.

7.3.1. All airmen are automatically entered into the CCAF program

7.3.2. Program. Prior to completing an Associates Degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

7.3.3. Technical Education (24 Semester Hours). A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective subjects/courses.

7.3.4. Leadership, Management, and Military Studies (6 Semester Hours).

Professional military education and/or civilian management courses.

7.3.5. Physical Education (4 Semester Hours). This requirement is satisfied by completion of Basic Military Training.

7.3.6. General Education (15 Semester Hours). Applicable courses must meet the definition of General Education Requirement (GER) subjects/courses as provided in the CCAF General Catalog.

7.3.7. Program Elective (15 Semester Hours). Satisfied with the applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree-applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

7.4. AETC Instructor Requirements: Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associate's degree. It is necessary for instructors to have at least an Associate's Degree so the Technical School can maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

8.1. Enlisted Career Path. Table 8.1 identifies career milestones for the 2A5X3C Air Force Specialty.

Table 8.1 Enlisted Career Path				
Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	SrA	3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	<u>Trainer</u> - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks on one mission design aircraft. - Complete appropriate CDC if/when available. - Advanced Technical School. - Minimum 12 months on-the-job training	SSgt	7.5 years	3 years	20 Years
	<u>Certifier</u> - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt	12.5 years	5 years	22 Years
	MSgt	16 years	8 years	24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top non-select (for promotion to E-8) MSgts attend the SNCOA each year. - Resident or correspondence graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

8.2. Base/Unit Education and Training Manager Checklist: Table 8.2 provides base and unit education and training managers a tool to track progress of individuals in the 2A5X3C Air Force Specialty.

Table A8.2. Base/Unit Education and Training Manager Checklist		
Requirements for Upgrade to:	Y	N
Journeyman - Has the apprentice completed mandatory CDCs, if available? - Has the apprentice completed all appropriate 5-level core tasks identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months training (9 months for retrainees) for award of the 5-skill level? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification) and CFETP? - Has the apprentice completed CAMS Course J6AZU00066-058? (Exception: AMC and AMC gained ANG/AFRC Personnel). - Has the apprentice been recommended by their supervisor?		
Craftsman - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs, if available? - Has the journeyman completed all core tasks identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman completed CAMS Course J6AZU00066-062? (Exception: AMC and AMC gained ANG/AFRC personnel). - Has the journeyman attended 7-skill level Craftsman Course? First, they must complete: -- All 7-level training requirements listed in the CFETP. -- All applicable mandatory CDCs. - Has the journeyman completed a minimum 18 months UGT (6 months for retrainees)?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all mandatory training requirements. Supervisor recommends upgrade.

Training Manager

Supervisor

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose: Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS in Part II, Sections A and B of this CFETP.

10. Specialty Qualification:

10.1. Apprentice Level Training:

10.1.1. Specialty Qualification.

10.1.1.1. Knowledge. Knowledge is mandatory of radar and electronic principles theory, including solid states devices, dual mode transmitting systems, and principles of logic and digital techniques; application of electronic theory and operational settings to EW, intercept, and analysis equipment, and special purpose support equipment (SE); concepts and application of maintenance directives; and using and interpreting technical orders, computer programming media or instructions, blueprints, wiring diagrams, schematics, and logic diagrams.

10.1.1.2. Education. For entry into this specialty, completion of high school with courses in physics and mathematics is desirable.

10.1.1.3. Training. Training to the three-skill level will require completion of the Electronic Principles course conducted at Lackland AFB, and an initial skills course at Sheppard AFB. For award of AFSC 2A533C, completion of the basic Electronic Warfare Systems Course (J3ABR2A533C 002) is mandatory.

10.1.1.4. Experience. There is no experience necessary for entry into AFSC 2A533C.

10.1.1.5. Other. The following are mandatory as indicated:

10.1.1.5.1. For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards*, is mandatory.

10.1.1.5.2. For award and retention of AFSC 2A533C, eligibility for a Secret security clearance is required as outlined in AFI 31-501, *Personnel Security Management Program*.

10.1.2. Sources. The initial skills courses will provide the required knowledge and qualifications. Initial skills training encompasses basic system theory and operation, system components, component removal and installation, systems operation, introduction to maintenance concepts, general flight lines maintenance practices, use of technical publications, maintenance documentation, and support equipment familiarization and use.

10.1.3. Implementation. Upon graduation from Basic Military Training, airmen are assigned to Lackland AFB for completion of Course L3AQR2A533C XXX, Electronic Principles. Airmen will then go to Sheppard AFB to attend course J3ABR2A533C 002, Electronic Warfare Systems Apprentice. Completion of both courses will result in award of the 3-skill level.

10.2. Journeyman Level Training (5-Level):

10.2.1. Specialty Qualification. Qualification in and possession of AFSC 2A533C. Also, experience in functions such as testing, adjusting, aligning, tuning, calibrating, or maintaining EW equipment or using special purpose test equipment.

10.2.1.1. Knowledge. The 5-level CDC provides the career knowledge training required. Qualification Training and OJT will provide training and qualification on the core tasks identified in the STS/JQS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

10.2.1.2. Education. No other education requirements are required. All additional education will be in the form of OJT and completion of CDCs.

10.2.1.3. Training. For award of the 5-skill level, completion of all applicable core tasks and 5-level CDCs.

10.2.1.4. Experience. Qualification in and possession of AFSC 2A533C is mandatory for the award of the AFSC 2A553C.

10.2.1.5. Other. Eligibility for a Secret security clearance according to AFI-31-501 is mandatory for award and retention of AFSC 2A1553C.

10.2.2. Training Sources and Resources. One source of training is the assigned base OJT training section. The other source of training is AETC, Sheppard AFB, TX which is the Subject Matter Expert for the 5-level CDCs. The resource is the 5-level CDCs which are developed by AETC, Sheppard AFB, TX.

10.2.3. Implementation. Training to the 5-level is performed by the units, utilizing the STS/JQS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of the 2A533C Electronic Warfare Systems Journeyman CDCs, completion of all Air Force core tasks, promotion to E-4, and the supervisor's recommendation. Emphasis must be placed on EW core tasks prior to any Cross Utilization Training (CUT) in other aircraft related tasks.

10.3. Craftsman Level Training (7-Level):

10.3.1. Specialty Qualification. Qualification in and possession of AFSC 2A553C.

Also, experience performing or supervising functions such as installing, repairing, maintaining, or modifying EW, intercept, analysis, and related equipment, or using and interpreting associated test equipment.

10.3.1.1. Knowledge. Seven-level upgrade training will be conducted by certified trainers using Air Force core tasks, unit/MAJCOM specific courses, 7-level CDCs, and a formal 7-level course. The 7-level course is written to provide management skills. Exportable courses will be developed and provided to field units to standardize OJT, enhance the training effort, and minimize the impact on productive man-hours.

10.3.1.2. Education. Airman Leadership Course in residence. All addition education will be in the form of OJT and completion of CDCs.

10.3.1.3. Training. For award of the 7-skill level, graduate of ALS, completion of all core tasks, 7-level in-residence course, and 7-level CDCs are required.

10.3.1.4. Experience. Qualification in and possession of AFSC 2A553C is mandatory for the award of the AFSC 2A573C.

10.3.1.5. Other. Eligibility for a Secret security clearance according to AFI 31-501 is mandatory for award and retention of AFSC 2A573C.

10.3.1. Training Sources and Resources. The source of training is the assigned base OJT training section. The other source of training is AETC, Sheppard AFB which is the Subject Matter Expert of 7-level CDCs. The resource is the 7-level CDCs which are developed by AETC, Sheppard AFB.

10.3.2. Implementation. Upgrade to the 7-level will require completion of the 7-level CDCs, all AF core tasks, any mandatory exportable courses, 18 months OJT as a SSgt, and completion of the 7-level Craftsman Avionics Course, J3ACR2A573 001, and the supervisor's recommendation. The 7-level CDC, Air Force core tasks, and 18 months of OJT as a SSgt must be completed before attending the resident course.

10.4. Superintendent Level Training (9-Level):

10.4.1. Specialty Qualification. Manages installing, repairing, maintaining, replacing, and modifying EW and offensive systems, test equipment, and special purpose support equipment. Related DoD Occupational Subgroup: 102.

10.4.1.1. Knowledge. Knowledge is mandatory of theory and application of electronic principles, radios, transistors, solid-state components, and servo-amplifiers; working principles of optical lenses; radar search and target identifying factors; interpreting and applying mechanical drawings and wiring diagrams to mechanical functions and electronic circuits; malfunction analysis; using, caring for, and interpreting testing and measuring devices; concepts and application of maintenance directives; Air Force supply, administrative, and safety precautions.

10.4.1.2. Education. NCO Academy in residence (ANG/AFRC correspondence). All additional education will be in the form of OJT.

10.4.1.3. Training. The Senior NCO Academy and unit OJT will be used for 9-level training.

10.4.1.4. Experience. For award of the AFSC 2A590, qualification in and possession in one of these AFSCs 2A573 is mandatory. Also, experience is mandatory directing functions such as repairing, maintaining, replacing, overhauling, or modifying EW or weapon delivery systems.

10.4.1.5. Other. Eligibility for a Secret security clearance according to AFI 31-501 is mandatory for award and retention of AFSC 2A590.

10.4.2. Training Sources and Resources. The source of training is the assigned base OJT training section.

10.4.3. Implementation. The 9-level will be awarded after completing MAJCOM requirements, unit OJT and promotion to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt. Guard and Reserve personnel may use the correspondence course.

SECTION D - RESOURCE CONSTRAINTS

11. Purpose: This section of the CFETP identifies known resource constraints which preclude optimum/desired training from being developed or conducted. Included is a narrative explanation of each resource constraint, an impact statement describing the effect on training, the resources needed, and actions required to satisfy the training requirements.

12. Apprentice Level Training:

12.1. Constraint: Technical school does not have C-130 aircraft with appropriate support equipment to perform equipment checkouts and training.

12.1.1. Impact: A number of STS task items cannot be taught due to the lack of operational systems on Sheppard AFB aircraft.

12.1.2. Resources Required: Eight ALM 288s (TO states a minimum of four) and SIPERNET.

12.1.3. Action Required: Procure necessary equipment to support course training objectives. (OPR: 365 TRS/TRR, OCR: HQ ACC/LGM, HQ PACAF/LGM, HQ USAFE/LGM, ANGRC/LGMM, HQ/AMC)

12.2. OPR/Target Completion Date. 365 TRS/TRR and 82 LG./May 02.

13. Five Level Training:

13.1 Constraints. CDCs will be rewritten with new and updated material.

13.1.1. Impact. All objectives would not be met.

13.1.2. Resources Required. N/A

13.1.3. Action Required. CDC writers revise/rewrite appropriate sections/books.

13.2. OPR/Target Completion Date: 365 TRS/TTC (MSgt Manning)/29 Mar 02.

14. Seven-Level Training:

14.1. Constraints. There are no technical 7-level CDCs. .

Section E. - Transitional Training Guide. N/A

PART II

SECTION A - SPECIALTY TRAINING STANDARD

1. Implementation. This STS will be used for technical training provided by Air Education and Training Command (AETC) for classes beginning June 2002.

2. Purpose. As prescribed in AFI 36-2201, this STS:

2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. An asterisk (*) before the number indicates a **Wartime Course Objective**. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified with an */R are optional for the AFRC and the ANG. Certification on all shop/flightline core tasks applicable to at least one Mission Design Series (MDS) aircraft assigned must be completed for skill level upgrade. Only core tasks which are applicable to base assigned aircraft or equipment are required for upgrade (units are not exempt if aircraft/equipment is assigned to another unit on base).

2.2. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.

2.3. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listings.

2.4. Qualitative Requirements. Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

2.5. Job Qualification Standard. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. When used as a JQS, the following requirement apply:

2.5.1. Documentation. Document and certify completion of training. Use of attachments one, two, and twelve is mandatory in individual training records; use of airframe specific attachments will be determined by duty position. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: Tng Complete, Trainee Initials, Trainer Initials, and Certifier Initials (if applicable). An AFJQS may be used in lieu of Part II of the CFETP only upon approval of the AFCFM.

2.6.1. Converting from Old Document to CFETP. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Automated records, utilizing Core Automated Management System (CAMS) or Integrated Maintenance Data System (IMDS), reflecting this STS may be used and are highly encouraged. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. For those tasks previously certified and

required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter certifier's initials. The trainee will initial in the trainee's block. Remember, during the transcription process no training is taking place. Therefore, the trainer's initials are not required. For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion date. If and when these tasks become a duty position requirement, recertify with current date, certifier's initials, and trainee's initials. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications.

2.6.1.1. For non-core and non-critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, re-certify using current date as completion date, and enter trainee's and trainer's initials.

2.6.1.2. When transcribing previous certification for tasks not required in the current duty position, carry forward only the previous completion date of certification (not the initials of another person). If and when transcribed tasks become duty position requirements, re-certify using standard certification procedures.

2.6.1.3. The person whose initials appear in the trainer or certifier block during the transcription process must meet the requirements of their respective roles.

2.6.1.4. Upon completion of the transcription process, give the old CFETP to the member.

2.6.2. Documenting Career Knowledge. When a CDC is not available, the supervisor identifies CFETP Part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 36-2108. For two-time CDC course exam failures, the supervisor identifies all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of STS references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. ***Supervisors must document successful completion of career knowledge prior to submission of a CDC waiver.***

2.6.3. Decertification and Recertification. When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries were made in ink) over the previously certified entry.

2.6.4. AF Form 797. When additional items not listed in the CFETP, Part II, are necessary in the current duty assignment, enter them on the AF Form 797. Fill out the form IAW AFMAN 36-2247.

2.6.5. Disposition of Training Records. Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP/AFJQS. For example, an individual working in a tool crib must maintain documented career field qualifications in case they return to duty on the flightline or in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.

2.7. Specialty Training Standard. Tasks are trained and qualified to the go/no go level. Go means the individual can perform the task without assistance and meet local demands for accuracy, timeliness, and correct use of procedures. The STS is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career field. The tests sample knowledge of STS subject matter areas judged by test development team member as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 365 TRS/TRR, 609 9th Avenue Stop 242, Sheppard AFB TX, 76311-2335, DSN 736-7899. Reference specific STS paragraphs. For a quick response to problems, call our customer service information line (CISL), DSN 736-2574.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

MICHAEL E. ZETTLER, Lieutenant General, USAF
DCS/Installations and Logistics

12 Attachments

1. Proficiency Code Key (Mandatory to file with CFETP Section I and Section II, Part A)
2. Training Requirements, Common Task (Mandatory)
3. Training Requirements, B-1 (Mandatory for B-1 personnel)
4. Training Requirements, B-2 (Mandatory for B-2 personnel)
5. Training Requirements, B-52 (Mandatory for B-52 personnel)
6. Training Requirements, C-5/C-17/C-130E/H/J/C-141 (Mandatory for C-5/C-17/C-130E/H/J/C-141 personnel)
7. Training Requirements, H-60 (Mandatory for H-60 personnel)
8. Training Requirements, E-3 (Mandatory for E-3 personnel)
9. Training Requirements, EC-130H (Mandatory for EC-130H personnel)
10. Training Requirements, RC-135 (Mandatory for RC-135 personnel)
11. Training Requirements, AFSOC (Mandatory for AFSOC personnel)
12. Training Requirements, Electronic Fundamentals (Mandatory)

Note: One of attachments 3, 4, 5, 6, 7, 8, 9, 10, 11 must be filed.

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

THIS BLOCK IS FOR IDENTIFICATION PURPOSES ONLY

NAME OF TRAINEE		
PRINTED NAME (<i>Last, First, Middle Initial</i>)	INITIALS (<i>Written</i>)	SSAN
PRINTED NAME OF TRAINING/CERTIFYING OFFICIAL AND WRITTEN INITIALS		
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	

QUALITATIVE REQUIREMENTS

PROFICIENCY CODE KEY		
	SCALE VALUE	DEFINITION: The individual
TASK PERFORMANCE LEVELS	1	IS EXTREMELY LIMITED. (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	IS PARTIALLY PROFICIENT. (Can do most parts of the task. Needs only help on hardest parts.)
	3	IS COMPETENT. (Can do all parts of the task. Needs only a spot check of completed work.)
	4	IS HIGHLY PROFICIENT. (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*TASK KNOWLEDGE LEVELS	a	KNOWS NOMENCLATURE. (Can name parts, tools, and simple facts about the task.)
	b	KNOWS PROCEDURES. (Can determine step-by-step procedures for doing the task.)
	c	KNOWS OPERATING PRINCIPLES. (Can identify why and when the task must be done and why each step is needed.)
	d	KNOWS ADVANCED THEORY. (Can predict, isolate, and resolve problems about the task.)
**SUBJECT KNOWLEDGE LEVELS	A	KNOWS FACTS. (Can identify basic facts and terms about the subject.)
	B	KNOWS PRINCIPLES. (Can identify relationship of basic facts and state general principles about the subject.)
	C	KNOWS ANALYSIS. (Can analyze facts and principles and draw conclusions about the subject.)
	D	KNOWS EVALUATION. (Can evaluate conditions and make proper decisions about the subject.)

EXPLANATIONS

A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.

/ This mark is used in course columns to show that training is required but not given due to limitations in resources (2b/-) or given at a lower level due to limitations in resources (3c/b, 2b/b, etc.).

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC

ATTACHMENT 2

NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.

NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.

NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.

A2.1. CAREER LADDER PROGRESSION											
A2.1.1 Progression in career ladder 2A5X3C TR: AFI 36-2108, AFVA 39-1								-	-	-	-
A2.1.2 Duties of 3-, 5-, and 7-level personnel TR: AFI 36-2108								-	-	-	-
A2.1.3 Concepts/Philosophy of Electronic Warfare								A	-	-	-
A2.2 SECURITY											
A2.2.1 Information Security TR: AFI 31-401, 31-501, AFPD 31-4, 31-5											
A2.2.1.1 Mark classified information								a	-	-	B
A2.2.1.2 Prevention of security violations								-	-	-	-
A2.2.1.3 Access to classified information								-	-	-	B
A2.2.1.4 Use security classification guide								a	B	-	-
A2.2.2 Physical Security TR: DOD 5200.1R											
A2.2.2.1 Control of restricted areas								-	-	-	-
A2.2.2.2 Security alert reporting								-	-	-	-
A2.2.2.3 Make entries on cabinet, safes, and room security forms								a	-	-	-
A2.2.2.4 Proper handling of classified materials								a	-	-	B
A2.2.3 Communications Security (COMSEC) TR: AFI 33-211											
A2.2.3.1 COMSEC Education Program								-	-	-	B
A2.2.3.2 Specific 2A5X3C vulnerabilities								A	-	-	-
A2.2.4 Operations Security (OPSEC) TR: AFI 10-1101, AFPD 10-11											
A2.2.4.1 Goals of OPSEC program								-	-	-	B
A2.2.4.2 Specific 2A5X3C vulnerabilities								A	-	-	-

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.2.4.3 Use CILs (critical information lists)								-	-	-	-
A2.2.5 Computer security (COMPUSEC) TR: AFI 33-202								-	-	-	B
A2.3 AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFI 91-400 SERIES; TOs 312-10-4, 33-1-32											
A2.3.1 AFOSH standards for AFSC 2A5X3C								-	B	-	-
A2.3.2 Maintain safe work area								-	-	-	-
A2.3.3 Hazards/Safety Practices of AFSC 2A5X3C											
A2.3.3.1 RF energy								B	B	-	-
A2.3.3.2 Noise								B	B	-	-
A2.3.3.3 Compressed gases								B	B	-	-
A2.3.3.4 Electrical power								B	B	-	-
A2.3.3.5 Hydraulic power								B	B	-	-
A2.3.3.6 Hazardous liquids								B	B	-	-
A2.3.3.7 Radioactive parts and materials								-	-	-	-
A2.3.3.8 Aircraft								B	B	-	-
A2.3.3.9 Aerospace ground equipment (AGE)								-	-	-	-
A2.3.3.10 Electrical equipment								-	-	-	-
A2.3.3.11 STV Beryllium mirrors								-	-	-	-
A2.3.3.12 Lasers								-	-	-	-
A2.3.4 Practice FOD/DOP prevention TR: AFI 21-101								-	B	-	-
A2.3.5 AF Nuclear Surety Program TR: AFI 91-1, AFI 91-104								-	-	-	-
A2.4 HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: AFI 23-504, EPA State Regulations											
A2.4.1 Types of hazardous material /fluids								B	-	-	-
A2.4.2 Handling procedures								B	-	-	-
A2.4.3 Storage and labeling								B	-	-	-

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.4.4 Proper disposal								B	-	-	-
A2.4.5 Material Safety Data Sheet								B	-	-	-
A2.4.6 Report Hazardous Material Spills								-	-	-	-
A2.5 MAINTENANCE MANAGEMENT TR: AFI 21-101 and MAJCOM Directives											
A2.5.1 Purpose and function of the Maintenance Organization								-	B	-	B
A2.5.2 Maintenance Accountability								-	-	C	B
A2.5.3 Operational Risk Management								-	-	-	B
A2.5.4 Logistics/Resource Maintenance											
A2.5.4.1 Logistics/Operation Group Commander Responsibilities								B	-	-	B
A2.5.4.2 Logistics Management								-	-	C	B
A2.5.4.3 Resource Management								-	-	-	B
A2.5.4.4 Technical Order Management								-	-	-	B
A2.5.4.5 Product Improvement Working Group, Test Planning Working Group, System Training Plan, and Product Improvement Review								-	-	-	A
A2.5.4.6 Financial Plan								-	-	-	A
A2.5.4.7 Aircraft/Support Equipment Status Monitoring								-	-	-	B
A2.5.4.8 Maintenance QPM Relationships								-	-	-	B
A2.5.4.9 FOD Program Manager								-	-	-	A
A2.5.4.10 Mobility								-	-	-	A
A2.5.4.11 Maintenance Incident Investigation and Prevention								-	-	B	B
A2.5.4.12 Warranty Programs								-	B	-	B
A2.5.4.13 Modification Proposal								-	-	-	A
A2.5.4.14 SMR Change Request								-	B	-	B
A2.5.4.15 Status Reports								-	-	-	B
A2.5.4.16 Configuration Management								-	-	-	B
A2.5.4.17 Status of Resources and Training (SORTS)								-	-	B	A

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.5.5 Coordinate Precision Measurement Equipment Laboratory Support								-	-	-	-
A2.6 MAINTENANCE AND INSPECTION SYSTEMS, FORMS TR: AFI 21-101											
A2.6.1 Purpose of the Maintenance Data Collection System								A	-	-	-
A2.6.2 Aircraft inspection systems								B	B	-	B
A2.6.3 Use Job Data Documentation Forms								2b	-	B	B
A2.6.4 Automated Maintenance Data Systems TR: AFMAN 66-279 Vols I-XXVII and TO 00-20-2											
A2.6.4.1 Core Automated Maintenance Systems								B	B	-	-
A2.6.4.2 Other Automated Maintenance Systems								-	A		A
A2.6.5 Use Core Automated Maintenance Systems (CAMS)											
A2.6.5.1 Create discrepancy	*							2b	-	-	-
A2.6.5.2 Schedule discrepancy	*							2b	-	-	-
A2.6.5.3 Defer discrepancy	*							2b	-	-	-
A2.6.5.4 Transfer discrepancy	*							2b	-	-	-
A2.6.5.5 Sign off discrepancy											
A2.6.5.5.1 Cannibalization		*						2b	-	-	-
A2.6.5.5.2 Action taken code "P"	*							2b	-	-	-
A2.6.5.5.3 Action taken code "Q"	*							2b	-	-	-
A2.6.5.5.4 Action taken code "R"	*							2b	-	-	-
A2.6.5.5.5 Special Inspections								2b	-	-	-
A2.6.5.5.6 Maintenance transactions								-	-	-	-
A2.6.5.5.7 Supply transactions								-	-	-	A
A2.6.5.5.8 Order aircraft parts	*							2b	-	-	-
A2.6.5.5.9 Maintenance/Supervision Transactions								-	-	-	A
A2.6.6 Deficiency Reporting System											
A2.6.6.1 Concept of								-	B	-	-
A2.6.6.2 Use of								-	-	-	-
A2.6.6.3 Software improvement/deficiency report								-	-	-	B

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.6.6.4 Material/Quality Deficiency report								-	B	-	B
A2.6.7 Use aircraft /equipment maintenance forms											
A2.6.7.1 AFTO FORM 781A	*							2b	-	-	B
A2.6.7.2 AFTO FORM 781B								-	-	B	B
A2.6.7.3 AFTO FORM 781C	*							a	-	-	B
A2.6.7.4 AFTO FORM 781K								2b	-	B	B
A2.6.7.5 AFTO FORM 781H	*							2b	-	B	B
A2.6.7.6 AFTO FORMS 244/245	*							-	-	-	B
A2.6.7.7 Use AF Form 1492	*							-	-	-	-
A2.6.7.8 Use AFTO 349								2b	-	-	-
A2.6.8 Historical Records								-	-	-	B
A2.6.9 Status Reports								-	-	B	B
A2.6.10 Configuration Management								-	-	-	B
A2.7 SUPERVISION TR: AFI 36-2108, 36-2201, AFI 21-101											
A2.7.1 Orient new personnel								-	-	-	-
A2.7.2 Assign personnel to work assignments								-	-	-	-
A2.7.3 Plan work assignments and priorities								-	-	-	-
A2.7.4 Schedule work assignments and priorities								-	-	-	-
A2.7.5 Coordinate work assignments								-	-	-	-
A2.7.6 Establish											
A2.7.6.1 Work methods								-	-	-	-
A2.7.6.2 Controls								-	-	-	-
A2.7.6.3 Performance Standards								-	-	-	-
A2.7.7 Evaluate work performance of subordinate personnel								-	-	-	-
A2.7.8 Help resolve technical problems for subordinate personnel								-	-	-	-
A2.7.9 Initiate actions to correct substandard performance TR: AFIs 36-2503, -2907, -3202, -3208								-	-	-	-
A2.7.10 Counsel personnel and help resolve individual problems TR: AFP 36-2618								-	-	-	-

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.7.11 Supervise TR: AFI 21-101											
A2.7.11.1 Maintenance actions								-	-	-	B
A2.7.11.2 Inspection actions								-	-	-	B
A2.7.12 Use TR: AFI 21-101, AFI 21-103											
A2.7.12.1 Maintenance reports								-	-	B	-
A2.7.12.2 Inspection reports								-	-	B	-
A2.7.13 Review Maintenance Documentation								-	-	-	B
A2.7.14 Prepare TR: AFI 21-101											
A2.7.14.1 Maintenance inspection reports and charts								-	-	-	-
A2.7.14.2 Organization and functional charts								-	-	-	-
A2.7.15 Justify TR: AFI 21-101											
A2.7.15.1 Personnel manning requirements								-	-	-	-
A2.7.15.2 Equipment Authorizations								-	-	-	-
A2.7.16 Recommend policy changes on use of: TR: AFI 21-101											
A2.7.16.1 Personnel								-	-	-	-
A2.7.16.2 Equipment								-	-	-	-
A2.7.17 Statement of charges TR: AFM 23-110 V-2								-	-	-	-
A2.7.18 Perform reports of survey TR: AFM 23-110 V-2								-	-	-	-
A2.7.19 Aircraft Scheduling TR: AFI 21-101, AFI 21-103											
A2.7.19.1 Utilize flow charts								-	-	-	B
A2.7.19.2 Flying/maintenance planning								-	-	-	B
A2.7.20 Maintenance mobility planning								-	-	-	-
A2.8 TRAINING TR: AFI 36-2201											
A2.8.1 Evaluate personnel for need of training								-	-	-	-
A2.8.2 Plan and supervise OJT/Enlisted Training:											
A2.8.2.1 Prepare JQSs (AF Form 797)								-	-	-	-
A2.8.2.2 Conduct Training								-	-	-	-

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.8.2.3 Counsel trainees on their progress								-	-	-	-
A2.8.2.4 Monitor effectiveness of training											
A2.8.2.4.1 Career knowledge upgrade								-	-	-	-
A2.8.2.4.2 Job proficiency upgrade								-	-	-	-
A2.8.2.4.3 Qualification Training								-	-	-	-
A2.8.2.5 Maintain training records	*							-	-	-	-
A2.8.2.6 Develop training programs								-	-	-	-
A2.8.2.7 Evaluate effectiveness of training programs								-	-	B	-
A2.8.3 OJT trainer requirements											
A2.8.3.1 Prepare teaching outlines of task breakdowns								-	-	-	-
A2.8.3.2 Provide trainees theory and train on actual equipment								-	-	-	-
A2.8.3.3 Provide feedback on training provided								-	-	-	-
A2.8.4 OJT task certifier requirements											
A2.8.4.1 Develop methods of evaluation to determine trainee knowledge/qualification and training effectiveness								-	-	-	-
A2.8.4.2 Use appropriate method of evaluation and effectively determine trainee's ability								-	-	C	B
A2.8.5 Specialty Training Status (STS)								-	-	C	B
A2.8.6 Occupational Survey Report (OSR)								-	-	A	B
A2.8.7 Utilization and Training Workshop (U&TW)								-	-	A	B
A2.9 TECHNICAL PUBLICATIONS TR: TOs 0-1-01, 00-5-1, 00-5-2, 00-5-17, 00-5-18, 80-00-1											
A2.9.1 Scope and application of the technical order system								A	B	-	-
A2.9.2 Use technical order indexes								-	-	-	-
A2.9.3 Use technical orders	*							2b	-	-	-
A2.9.4 Scope and application of technical order improvement/deficiency report								A	-	-	-
A2.9.5 Initiate technical order improvement/ deficiency report								a	B	-	-
A2.9.6 Scope and application of the Computer Program Identification Number (CPIN) system								A	B	-	-

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.9.7 Use CPIN compendium								-	-	-	-
A2.9.8 Time Compliance Technical Orders								-	-	-	B
A2.9.9 Maintain technical order files								-	-	-	-
A2.10 SUPPLY DISCIPLINE TR: AFRs 20-14, 67-1, 67-23, 177-111, ACCI 21-166											
A2.10.1 Property accountability and responsibility								A	B	-	B
A2.10.2 Equipment authorization and management								-	B	-	-
A2.10.3 Special requisitions								-	-	-	-
A2.10.4 Verify Back order								-	-	-	-
A2.10.5 Use equipment condition tags								2b	A	-	-
A2.10.6 Use microfiche/computer based programs								-	-	-	-
A2.10.7 Use issue/turn-in requests								2b	-	-	-
A2.10.8 Maintenance Supply Concept								-	-	-	B
A2.10.9 Supply Documents Management								-	-	-	B
A2.10.10 Equipment Account Management								-	-	-	B
A2.10.11 Priority System								-	-	-	B
A2.10.12 Repair Cycle								A	A	C	B
A2.10.13 Classified Asset Handling								-	A	-	A
A2.10.14 Land Mobile Radios, Pagers, and Cell Phones								-	-	-	-
A2.10.15 Agile Logistics								-	-	-	A
A2.10.16 Depot Level Repairables								A	B	-	B
A2.10.17 Use supply products											
A2.10.17.1 DO4								-	-	-	B
A2.10.17.2 D18								-	-	-	B
A2.10.17.3 M30								-	-	-	B
A2.10.17.4 D23								-	-	-	B
A2.11 ELECTRONIC WARFARE PRINCIPLES TR: AFDD 2-5.1											
A2.11.1 Electronic Warfare Combat Principles								B	B	-	-
A2.11.2 Electromagnetic radiation (directed energy)								B	B	-	-
A2.11.3 EW Categories								B	B	-	-
A2.11.4 Air Defense Systems								B	B	-	-

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.11.5 Infrared Principles								B	B	-	-
A2.12 FUNDAMENTALS OF AVIONIC SYSTEMS MAINTENANCE-ON EQUIPMENT TR: Applicable aircraft –1 and –2 series TOs 00-25-234, 1-1A-14, 33-1-32											
A2.12.1 Perform nuclear hardness maintenance and inspections TR: Applicable system JG-00-1, 1-1A-14								2b	-	-	-
A2.12.2 Use aircraft hardware TR: AFI 91-408, Applicable aircraft TOs								-	-	-	-
A2.12.3 Consolidated Tool Kits TR: AFI 21-101											
A2.12.3.1 Inventory	*							2b	B	-	-
A2.12.3.2 Maintain								-	-	-	-
A2.12.3.3 File lost tool report		*						-	B	-	-
A2.12.4 Use common tools TR: AFI 91-408, TOs 00-25-234, 32-1-1, 32-1-2, 32-1-101, 32-1-201								3b	-	-	-
A2.12.5 Use torque indicating devices								3c	-	-	-
A2.12.6 Use special purpose tools								-	-	-	-
A2.12.7 Protect electrostatic devices								B	B	-	-
A2.12.8 Identify corrosion								a	-	-	-
A2.12.9 Perform safety wiring								2b	-	-	-
A2.12.10 Use safetying devices								-	-	-	-
A2.12.11 Theoretical Troubleshooting								-	-	C	-
A2.12.12 Advanced Analytical TO Research								-	-	C	-
A2.12.13 Advanced Troubleshooting Techniques								-	-	C	-
A2.13 GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable aircraft –1 and –2 series TOs											
A2.13.1 Ensure aircraft safe for maintenance								2b	-	-	-
A2.13.2 Aircraft familiarization TR: Applicable aircraft –1 and –2 series TOs											
A2.13.2.1 Major structural areas								A	B	-	-
A2.13.2.2 Major systems								A	A	-	-
A2.13.2.3 Danger areas								A	B	-	-

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.13.2.4 Apply external air conditioning								-	-	-	-
A2.13.2.5 Apply external power								2b	-	-	-
A2.13.2.6 Central Aircraft Support System (CASS)								-	-	-	-
A2.13.2.7 Perform selected classified data erase								-	-	-	-
A2.13.2.8 Apply hydraulic power								-	-	-	-
A2.13.3 Perform proximity switch control covering/uncovering								-	-	-	-
A2.13.4 Practice safe entry procedures on aircraft with open fuel cells								-	-	-	-
A2.13.5 Remove and install Radar Absorption Material (RAM)								-	-	-	-
A2.13.6 Operate Motorized Maintenance Stand								-	-	-	-
A2.13.7 Operate crane								-	-	-	-
A2.13.8 Launch/Recover aircraft								-	-	-	-
A2.13.9 Tow aircraft											
A2.13.9.1 Wing/Tail walker								-	-	-	-
A2.13.9.2 Brake operator								-	-	-	-
A2.13.9.3 Tow supervisor								-	-	-	-
A2.13.9.4 Tow vehicle operator								-	-	-	-
A2.13.10 Perform aircraft inspection											
A2.13.10.1 Phase								-	A	-	-
A2.13.10.2 Isochronal								-	A	-	-
A2.13.10.3 Special (excluding AN/USM-464 and AN/ALM-288 checks)								-	A	-	-
A2.13.11 Perform aircraft wash								-	-	-	-
A2.13.12 Perform aircraft de-icing								-	-	-	-
A2.13.13 Brief/Debrief Aircrews								-	-	-	-
A2.13.14 Use non-powered AGE								-	-	-	-
A2.14 MULTIPLEX BUS											
A2.14.1 Theory of Operation								B	B	-	-
A2.15 USE TEST EQUIPMENT TR: Applicable TOs											
A2.15.1. Radar Simulator								2b	B	-	-
A2.15.2 Serial Bus Analyzer								-	-	-	-
A2.15.3 Transmission Line Test Set								2b	B	-	-

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.4 Fiber Optic Test Set								-	-	-	-
A2.15.5 Network Analyzer								-	-	-	-
A2.15.6 ALM-288								2b	B	-	-
A2.15.7 Reprogramming Support Equipment TR: AFI 33-209											
A2.15.7.1 DCS								-	-	-	-
A2.15.7.2 MLV/PLV								-	-	-	-
A2.15.7.3 STU III								-	-	-	-
A2.15.7.4 CAPRE/Others								2b	B	-	-
A2.16 MAINTAIN											
A2.16.1 APM-427 Radar Simulator or equivalent								-	-	-	-
A2.16.2 ASM-695 PLV								-	-	-	-
A2.16.3 GYQ-59/59A DCS								-	-	-	-
A2.16.4 PYM-1 CAPRE								-	-	-	-
A2.16.5 MWS Sensor Simulator								-	-	-	-
A2.16.6 MWS Test Set								-	-	-	-
A2.16.7 TS-4478/AAR-47 Sensor Stimulator								-	-	-	-
A2.16.8 AN/ALM-288 Countermeasure Dispenser Tester (CDT)								-	-	-	-
A2.16.9 OQ-476 Flightline Payload Simulator								-	-	-	-
A2.16.10 M91/M92 Test Set TR: TM 9-4940-497-13 & P								-	-	-	-
A2.16.11 AN/ALM 178 TR: TM 11-6625-2739-14								-	-	-	-
A2.16.12 SM764A RF Simulator TR: TM 11-6940-213-1								-	-	-	-
A2.16.13 Radiometer											
A2.16.13.1 Perform 180 calibration								-	-	-	-
A2.16.13.2 Perform purge fill								-	-	-	-
A2.16.13.3 Test and Inspect								-	-	-	-
A2.16.13.4 Operate purge fill kit								-	-	-	-
A2.17 AIRCRAFT WIRING/TRANSMISSION LINES TR: TO 1-1A-14, 12P3-1-10, 31-10-14											
A2.17.1 Kapton wire								B	B	-	-
A2.17.2 Multi-conductor								B	B	-	-

COMMON TASK TRAINING REQUIREMENTS

TTCD COMBINED 2A5X3C STS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.17.3 Coaxial/Triaxial/Twinaxial								B	B	-	-
A2.17.4 Nuclear hardened cable								B	B	-	-
A2.17.5 Waveguides								B	B	-	-
A2.17.6 Single Conductor								B	B	-	-
A2.17.7 Rigid coaxial								B	B	-	-
A2.17.8 Fiber Optics								B	B	-	-
A2.18 PERFORM WIRE MAINTENANCE TR: TO 1-1A-14, 31-10-14											
A2.18.1 Stripping								2b	-	-	-
A2.18.2 Splicing								2b	-	-	-
A2.18.3 Bundling								2b	-	-	-
A2.18.4 Strain Relief								2b	-	-	-
A2.18.5 Continuity Checks								2b	-	-	-
A2.18.6 Wire Repair								-	B	-	-
A2.18.7 Splice fiber optics								-	-	-	-
A2.18.8 Clean fiber optics								-	-	-	-
A2.19 LOCAL AREA NETWORKS TR: AFI 33 & 63 series; AFIND 27											
A2.19.1 LAN Principles								-	-	-	-
A2.19.2 Ethernet								-	-	-	-
A2.19.3 Fiber Optics (FDDI, ATM)								-	-	-	-

B-1 TRAINING REQUIREMENTS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 3											
NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.											
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.											
A3.1 GENERAL ORGANIZATION MAINTENANCE TR: TOs 1B-1B-2-00GV-00-1											
A3.1.1 Operate auxiliary power units (APUs)								-	-	-	-
A3.1.2 Apply external liquid coolant								-	-	-	-
A3.1.3 Ensure aircraft safe for maintenance	*							-	-	-	-
A3.1.4 Apply Hydraulic Power								-	-	-	-
A3.1.5 Operate Flaps								-	-	-	-
A3.2 ON-AIRCRAFT TEST SYSTEMS											
A3.2.1 Central Integrated Test System (CITS)											
A3.2.1.1 Purpose TR: TO 1B-1B-2-46GS-00-1								A	A	-	-
A3.2.1.2 Perform Ground Readiness Test (GRT) TR: TO 1B-1B2-40JG-46-1								-	-	-	-
A3.2.1.3 Interface with Defensive Avionics Systems (DAS) TR: TOs 1B-1B-2- 46GS- 00-1, -93GS-00-1, -2								A	A	-	-
A3.2.1.4 Use Parameter Monitor Codes for systems monitoring/fault isolation TR: System GS-00-1, GS-00-2	*							-	-	-	-
A3.2.1.5 Use CITS data snapshots TR: 1B-1B-2-40GS-00-1								-	-	-	-
A3.2.1.6 Use CITS Deployable Diagnostic System		*						-	-	-	-
A3.2.1.7 Use aircraft STIM codes (PC Ops)		*						-	-	-	-
A3.3 ELECTRICAL MULTIPLEXING SYSTEM (EMUX)											
A3.3.1 Purpose TR: TO 1B-1B-2-92GS-00-1								A	A	-	-
A3.3.2 Interface with DAS TR: TO 1B-1B-2-92GS-00-1, -2								A	A	-	-
A3.4 AVIONICS CONTROL UNIT COMPLEX(ACUC)											

B-1 TRAINING REQUIREMENTS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.4.1 Purpose TR: TO 1B-1B-2-92GS-00-1								A	A	-	-
A3.4.2 Interface with DAS Systems TR: TO 1B-1B-2-92GS-00-1, -2, -3								A	A	-	-
A3.4.3 Load and Log off ACUC TR: TO 1B-1B-2-34JG-60-2								-	-	-	-
A3.4.4 Perform data erase TR: TO 1B-1B-2-34JG-60-2								-	-	-	-
A3.4.5 Use FIA Page TR: TO 1B-1B-93GS-00-2								-	-	-	-
A3.5 DEFENSIVE SYSTEMS ORGANIZATIONAL LEVEL MAINTENANCE											
A3.5.1 Functional operation of AN/ALQ-161 ATR: TOs 1B-1B-2-93GS-00-1, -2, -3								A	A	-	-
A3.5.2 End-to-end check of AN/ALQ-161 TR: TO 1B-1B-2-93-8-1											
A3.5.2.1 Enhanced Automated Special Test Equipment and Hooded Antenna Test System. TR: TOs 33D7-13-205-1, and 33D7-35-64-1											
A3.5.2.2 Theory of Operation								-	-	-	-
A3.5.2.3 Perform functional checkouts TR: TO 1B-1B-2-93-8-1											
A3.5.2.3.1 Parameter Encoder								-	-	-	-
A3.5.2.3.2 LEES Sensitivity								-	-	-	-
A3.5.2.3.3 Wide Open Sensitivity								-	-	-	-
A3.5.2.3.4 Reject YIG Filter								-	-	-	-
A3.5.2.3.5 Nose Detect								-	-	-	-
A3.5.2.3.6 PD/CW Spiral Search								-	-	-	-
A3.5.2.3.7 Antenna Direction of Arrival								-	-	-	-
A3.5.2.3.8 RF Signal Management								-	-	-	-
A3.5.2.3.9 NEAJAM								-	-	-	-
A3.5.2.3.10 Transmitter Maximum Power								-	-	-	-
A3.5.2.3.11 Beamsteering								-	-	-	-
A3.5.2.3.12 Repeater								-	-	-	-
A3.5.2.3.13 1122 Function								-	-	-	-

B-1 TRAINING REQUIREMENTS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.2.3.14 Tail Warning Function								-	-	-	-
A3.5.3 Defensive Management Subsystem											
A3.5.3.1 Theory of Operation TR: TOs 1B-1B-2-93GS-00-1, -2, -3								-	-	-	-
A3.5.3.2 Perform Ground Readiness Test (GRT) TR: TO 1B-1B-2-40JG-93-1											
A3.5.3.2.1 Defensive System Operator (DSO) track handle								-	-	-	-
A3.5.3.2.2 Radio Frequency/ Surveillance/ Electronic Countermeasures (RFS/ECM) panel	*							-	-	-	-
A3.5.3.2.3 Defensive System Operator (DSO) Power Panel								-	-	-	-
A3.5.3.2.4 Defensive System Operator (DSO) Display Electronics Unit/Multifunction Display (DEU/MFD)								-	-	-	-
A3.5.3.2.5 Graphics Generator/Electronic Display Unit (GG/EDU) # 1								-	-	-	-
A3.5.3.2.6 Graphics Generator/Electronic Display Unit (GG/EDU) # 2								-	-	-	-
A3.5.3.2.7 Defensive System Operator Integrated Keyboard (DSO IKB)								-	-	-	-
A3.5.3.2.8 Control & Display (C&D) power supply								-	-	-	-
A3.5.3.2.9 Left/right/aft sector power supply initialization								-	-	-	-
A3.5.3.3 Troubleshoot TR: TOs 1B-1B-2-40JG-93-1; -93GS-00-1, -2; -93WD-00-1; -93GS-00-3								-	-	-	-
A3.5.3.4 Remove and Install LRUs TR: TOs 1B-1B-2-93JG-70-1, -2											
A3.5.3.4.1 Control and Display Avionics Control Computer (CDACC)								-	-	-	-
A3.5.3.4.2 DSO tracking handle								-	-	-	-
A3.5.3.4.3 RFS/SCM control panel								-	-	-	-
A3.5.3.4.4 DSO power panel								-	-	-	-
A3.5.3.4.5 Multifunction display indicator (MDI)	*							-	-	-	-
A3.5.3.4.6 Electronic display unit (EDU)								-	-	-	-

B-1 TRAINING REQUIREMENTS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.3.4.7 Preprocessor Avionics Control Computer (PACC)								-	-	-	-
A3.5.3.4.8 Receiver threshold control (RTC)								-	-	-	-
A3.5.3.4.9 PACC transformer								-	-	-	-
A3.5.3.4.10 Advanced Tracking Unit (ATU)								-	-	-	-
A3.5.3.4.11 Control Interface Unit (CIU)								-	-	-	-
A3.5.3.4.12 Jammer Logic A (JLA)								-	-	-	-
A3.5.3.4.13 Jammer Logic B (JLB)								-	-	-	-
A3.5.3.4.14 Central System Power Supply								-	-	-	-
A3.5.3.4.15 Sector Power Supply								-	-	-	-
A3.5.3.4.16 Wheel Well Power Supply								-	-	-	-
A3.5.3.4.17 Graphics Generator								-	-	-	-
A3.5.3.4.18 Integrated Keyboard (IKB)								-	-	-	-
A3.5.3.4.19 Controls and Displays Power Supply								-	-	-	-
A3.5.4 Detection Subsystem											
A3.5.4.1 Theory of Operation TR: TOs 1B-1B-2-93GS-00-1, -2, -3								-	-	-	-
A3.5.4.2 Perform Ground Readiness Test (GRT) TR: TO 1B-1B-2-40JG-93-1								-	-	-	-
A3.5.4.3 Troubleshoot TR: TOs 1B-1B-2-93-8-1; 1B-1B-2-93GS-00-1, -2, -3; -93WD-00-1; and CITS Parameter File								-	-	-	-
A3.5.4.4 Remove and Install LRUs TR: TO 1B-1B-2-93JG-40-1, -2											
A3.5.4.4.1 Directional Finding Encoder								-	-	-	-
A3.5.4.4.2 Encoder								-	-	-	-
A3.5.4.4.3 Bands 4/5 receive antennas								-	-	-	-
A3.5.4.4.4 Bands 6 and 7 spiral receive antennas								-	-	-	-
A3.5.4.4.5 Band 8 spiral receiver antenna								-	-	-	-
A3.5.4.4.6 Band 6 antenna directional receiver								-	-	-	-
A3.5.4.4.7 Band 7 antenna directional receiver								-	-	-	-
A3.5.4.4.8 Band 8 antenna directional receiver								-	-	-	-
A3.5.4.4.9 Bands 1, 2 and 3 blade antenna								-	-	-	-
A3.5.4.4.10 Band 6 analysis antenna								-	-	-	-

B-1 TRAINING REQUIREMENTS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.4.4.11 Band 7 analysis antenna								-	-	-	-
A3.5.4.4.12 Band 8 analysis antenna								-	-	-	-
A3.5.4.4.13 Band 6 interferometer antenna								-	-	-	-
A3.5.4.4.14 Bands 4-8 receiver	*							-	-	-	-
A3.5.4.4.15 Bands 1-3 receiver								-	-	-	-
A3.5.4.4.16 Frequency channelizer								-	-	-	-
A3.5.4.4.17 Bands 6, 7 and 8 aft antenna directional receiver								-	-	-	-
A3.5.4.4.18 Interferometer receiver								-	-	-	-
A3.5.5 Active subsystem											
A3.5.5.1 Theory of Operation TR: TO 1B-1B-2-93GS-00-1, -2, -3								-	-	-	-
A3.5.5.2 Perform Waveform Generator Data Load								-	-	-	-
A3.5.5.3 Perform Ground Readiness Test (GRT) TR: TO 1B-1B-2-40JG-93-1											
A3.5.5.3.1 Band 4 forward transmitter								-	-	-	-
A3.5.5.3.2 Band 4 aft transmitter								-	-	-	-
A3.5.5.3.3 Band 5 forward transmitter								-	-	-	-
A3.5.5.3.4 Band 5 aft transmitter								-	-	-	-
A3.5.5.3.5 Band 6 left transmitter								-	-	-	-
A3.5.5.3.6 Band 6 right transmitter								-	-	-	-
A3.5.5.3.7 Band 6 aft transmitter								-	-	-	-
A3.5.5.3.8 Band 7 left transmitter								-	-	-	-
A3.5.5.3.9 Band 7 right transmitter								-	-	-	-
A3.5.5.3.10 Band 7 aft transmitter								-	-	-	-
A3.5.5.3.11 Band 8 left transmitter								-	-	-	-
A3.5.5.3.12 Band 8 right transmitter								-	-	-	-
A3.5.5.3.13 Band 8 aft transmitter								-	-	-	-
A3.5.5.4 Troubleshoot TR: TOs 1B-1B-2-93-8-1; -3GS-00-1, -2, -3; -93WD-00-1 and CITS Parameter File (CPF)								-	-	-	-
A3.5.5.5 Remove and Install LRUs TR: TOs 1B-1B-2-93JG-10-1, -2, -3,											
A3.5.5.5.1 Band 4 forward transmitting antenna								-	-	-	-

B-1 TRAINING REQUIREMENTS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.5.5.2	Band 5 forward transmitting antenna							-	-	-	-
A3.5.5.5.3	Band 4 aft transmitting antenna							-	-	-	-
A3.5.5.5.4	Band 5 aft transmitting antenna							-	-	-	-
A3.5.5.5.5	Bands 4/5 RF source							-	-	-	-
A3.5.5.5.6	Band 4 forward transmitter							-	-	-	-
A3.5.5.5.7	Band 4 aft transmitter							-	-	-	-
A3.5.5.5.8	Band 5 forward transmitter							-	-	-	-
A3.5.5.5.9	Band 5 aft transmitter							-	-	-	-
A3.5.5.5.10	Band 6 forward transmitter antenna							-	-	-	-
A3.5.5.5.11	Band 6 aft transmitter antenna							-	-	-	-
A3.5.5.5.12	Band 6 RF source							-	-	-	-
A3.5.5.5.13	Band 6 transmitter							-	-	-	-
A3.5.5.5.14	Band 6 driver							-	-	-	-
A3.5.5.5.15	Band 7 left forward transmitter antenna							-	-	-	-
A3.5.5.5.16	Band 7 right forward transmitter antenna	*						-	-	-	-
A3.5.5.5.17	Band 7 aft transmitter antenna	*						-	-	-	-
A3.5.5.5.18	Band 7 function 1122 fwd antenna							-	-	-	-
A3.5.5.5.19	Band 7 function 1122 aft antenna							-	-	-	-
A3.5.5.5.20	Band 7 RF source							-	-	-	-
A3.5.5.5.21	Band 7 function 1122 switch							-	-	-	-
A3.5.5.5.22	Band 7 transmitter		*					-	-	-	-
A3.5.5.5.23	Band 7 function 1122 sector select switch							-	-	-	-
A3.5.5.5.24	Band 7 driver							-	-	-	-
A3.5.5.5.25	Band 7 waveguide							-	-	-	-
A3.5.5.5.26	Band 8 forward transmitter antenna							-	-	-	-
A3.5.5.5.27	Band 8 aft transmitter antenna							-	-	-	-
A3.5.5.5.28	Band 8 function 1122 fwd antenna							-	-	-	-
A3.5.5.5.29	Band 8 function 1122 aft antenna							-	-	-	-
A3.5.5.5.30	Band 8 RF source							-	-	-	-
A3.5.5.5.31	Band 8 driver-transmitter							-	-	-	-
A3.5.5.5.32	Band 8 function 1122 switch							-	-	-	-

B-1 TRAINING REQUIREMENTS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.5.5.33 Band 8 function 1122 sector select switch								-	-	-	-
A3.5.5.5.34 Band 8 wave guide								-	-	-	-
A3.5.5.5.35 Band 6, 7 and 8 electronic beam forming unit								-	-	-	-
A3.5.5.5.36 Waveform generator								-	-	-	-
A3.5.6 Passive subsystem											
A3.5.6.1 Theory of Operation TR: TOs 1B-1B-2-93GS-00-1, -2, -3								-	-	-	-
A3.5.6.2 Perform Ground Readiness Test (GRT) TR: TO 1B-1B-2-40JG-93-1								-	-	-	-
A3.5.6.3 Perform fire pulse checkout TR: TO 1B-1B-2-93JG-30-1								-	-	-	-
A3.5.6.4 Troubleshoot TR: TOs 1B-1B-2-40JG-93-1; -93GS-00-1; -93WD-00-1, -2, -3		*						-	-	-	-
A3.5.6.5 Remove and Install LRUs TR: TO 1B-1B-2-93JG-30-1											
A3.5.6.5.1 EXCM controller								-	-	-	-
A3.5.6.5.2 EXCM safety switch								-	-	-	-
A3.5.7 Warning subsystem											
A3.5.7.1 Theory of Operation TR: TO 1B-1B-2-93GS-00-1, 2, -3								-	-	-	-
A3.5.7.2 Perform Ground Readiness Test (GRT) TR: TO 1B-1B-2-40JG-93-1								-	-	-	-
A3.5.7.3 Troubleshoot TR: TOs 1B-1B-2-93-8-1; -93GS-00-1, -2, -3; -93WD-00-1 and CITS Parameter File (CPF)								-	-	-	-
A3.5.8 Remove and Install LRUs TR: TO 1B-1B-2-93JG-80-1											
A3.5.8.1 Tail warning function receiver processor								-	-	-	-
A3.5.8.2 Tail warning function antenna assembly								-	-	-	-
A3.5.8.3 ALE-50 Towed Decoy											
A3.5.8.3.1 Theory of Operation TR: TO 1B-1B-2-93GS-00-1, -2								B	B	-	-
A3.5.8.3.2 Perform BIT								-	-	-	-

B-1 TRAINING REQUIREMENTS

STS 2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.8.3.3 Perform Operational Checkout								-	-	-	-
A3.5.8.3.4 Troubleshoot								-	-	-	-
A3.5.8.3.5 Remove and Install LRUs TR: TO 1B-1B-2-93JG-10-3											
A3.5.8.3.5.1 Control Display Unit								-	-	-	-
A3.5.8.3.5.2 Circuit Breaker Panel								-	-	-	-
A3.5.8.3.5.3 Power Supply								-	-	-	-
A3.5.8.3.5.4 Transformer/Rectifier								-	-	-	-
A3.5.8.3.5.5 Multi-Platform Launch Controller/Improved Multi-Platform Launch Controller								-	-	-	-
A3.5.8.3.5.6 Ground Safe/Arm Switch								-	-	-	-
A3.5.8.3.5.7 System Interface Unit								-	-	-	-
A3.5.8.3.5.8 Launcher Assembly/Dual-Capable Launcher								-	-	-	-
A3.5.8.3.5.9 Data link terminal								-	-	-	-
A3.5.8.3.6 Memory Loader Verifier Set AN/USQ-131 (MLVS)											
A3.5.8.3.6.1 Use and Operation TR: 31S-2USQ-131-1								-	-	-	-
A3.5.8.3.6.2 Perform Software Loading and Verification TR: 31S-2USQ-131-1								-	-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 4											
NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.											
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.											
A4.1 ON-BOARD TEST SYSTEM (OBTS)											
A4.1.1 Functional Theory of Operation TR: TOs 1B-2A-2-31GS-00-1, -40GS-00-1								A	-	-	-
A4.1.2 Purpose TR: TO 1B-2A-2-24GS-00-1								A	-	-	-
A4.1.3 Interface with DAS systems TR: TO 1B-2A-2-93GS-00-1								A	-	-	-
A4.1.4 Use OBTS Data and OBTS Digital Computer System (ODCS) Reports for fault isolation of Aircraft Systems Malfunctions TR: TO 1B-2A-2-40GS-00-1 and applicable system GS-00-1								-	-	-	-
A4.1.5 Login/Logout OGPII TR: Software Users Manual								-	-	-	-
A4.1.6 Produce/Recreate Debrief Reports TR: TO 31S5-4-2340-1								-	-	-	-
A4.1.7 Run Predefined Text and Graphics Reports TR: TO 31S5-4-2340-1								-	-	-	-
A4.1.8 Produce Ad-Hoc Reports TR: TO 31S5-4-2340-1								-	-	-	-
A4.2 MULTIPLEX BUS SYSTEM											
A4.2.1 Purpose TR: TO 1B-2A-2-40GS-00-1								A	-	-	-
A4.2.2 Functional theory of operation TR: TO 1B-2A-2-40GS-00-1								A	-	-	-
A4.2.3 Troubleshoot								-	-	-	-
A4.2.4 Remove and Install TR: TO 1B-2A-2-27GS-00-1											
A4.2.4.1 Bus connectors								-	-	-	-
A4.2.4.2 Bus terminators								-	-	-	-
A4.2.4.3 Bus couplers								-	-	-	-
A4.3 FLIGHT MANAGEMENT SYSTEM											

B-2 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.3.1 Purpose								A	A	-	-
A4.3.2 Interface with DMS								A	A	-	-
A4.3.3 Perform OFF Load	*							-	-	-	-
A4.3.4 Perform Mission Data Load		*						-	-	-	-
A4.3.5 Perform Classified Data Erase	*							-	-	-	-
A4.4 DEFENSIVE SYSTEMS ORGANIZATIONAL LEVEL MAINTENANCE											
A4.4.1 Defensive management processors (ZSR-61 system)											
A4.4.1.1 Theory of Operation TR: TO 1B-2A-2-93GS-00-1								-	A	-	-
A4.4.1.2 Troubleshoot TR: TOs 1B-2A-2-93GS-00-1, -93WD-00-1								-	-	-	-
A4.4.2 Remove/Install Processor		*						-	-	-	-
A4.4.3 AN/APR-50 Receiver (Threat emitter location system)											
A4.4.3.1 Theory of Operation TR: TO 1B-2A-2-93GS-00-1								-	-	-	-
A4.4.3.2 Perform preprocessor data load TR: TO 1B-2A-2-93JG-50-1		*						-	-	-	-
A4.4.3.3 Perform operational check TR: TO 1B-2A-2-40JG-10-1	*							-	-	-	-
A4.4.3.4 Troubleshoot TR: TOs 1B-2A-2-93GS-00-1, -93WD-00-1								-	-	-	-
A4.4.3.5 Remove/Install TR: TO 1B-2A-2-93JG-50-1											
A4.4.3.5.1 Band -1, -2, -3 Receiver Tasks 93-52-111-2-3	*							-	-	-	-
A4.4.3.5.2 Band-4 Receiver Tasks 93-52-111-2, -3	*							-	-	-	-
A4.4.3.5.3 Preprocessor Tasks 93-52-109-2, -3								-	-	-	-
A4.4.3.5.4 Processor Tasks 93-52-107-2, -3		*						-	-	-	-
A4.4.3.5.5 RF front end – Band 1 Tasks 93-52-101-2, -3								-	-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.4.3.5.6 RF front end – Band 2/3 Tasks 93-52-103-2, -3								-	-	-	-
A4.4.3.5.7 RF front end – Band 3 Tasks 93-52-105-2, -3	*							-	-	-	-
A4.4.3.5.8 Band-1 Antenna								-	-	-	-
A4.4.3.5.9 Band-2 Antenna								-	-	-	-
A4.4.3.5.10 Band-3 Antenna	*							-	-	-	-
A4.4.3.5.11 Band-4 Antenna	*							-	-	-	-
A4.4.3.5.12 Aft junction box								-	-	-	-
A4.4.3.5.13 Cable compensation unit								-	-	-	-
A4.4.3.5.14 Phase matched cables								-	-	-	-
A4.4.3.5.15 Semi-rigid coaxial cables								-	-	-	-
A4.4.3.5.16 Microcircuit Programmer (MLV) TR: 33D7-159-1		*						-	-	-	-
A4.4.3.5.17 AN/GSM-352 Antenna system test set TR: 33D7-135-1		*						-	-	-	-
A4.4.3.5.18 AN/ALM-280 Enhanced Automated Special Test Equipment TR: 33D7-13-205-1		*						-	-	-	-
A4.5 PILOT ALERT SYSTEM TR: TO 1B-2A-2-31GS-00-1											
A4.5.1 Theory of Operation								A	A	-	-
A4.5.2 Perform operation check								-	-	-	-
A4.5.3 Fault isolation								-	-	-	-
A4.5.4 Perform Leak Test								-	-	-	-
A4.5.5 Perform Purge Test								-	-	-	-
A4.5.6 Remove/Install TR: TO 1B-2A-2-31JG-50-1											
A4.5.6.1 Sensor								-	-	-	-
A4.5.6.2 Processor								-	-	-	-
A4.5.6.3 Dehumidifier (Desiccant)								-	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 5											
NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.											
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.											
A5.1 ON-EQUIPMENT MAINTENANCE TR: TO 1-1A-3, 1-1-A8, 1-1A-19, 1-1A-14, 1B-52H, 1B-52H-6, 1B-52H-2-xGA-x											
A5.1.1 General											
A5.1.1.1 Ensure Aircraft Is Safe For Maintenance	*							-	-	-	-
A5.1.1.2 Inspect fire extinguishers for Serviceability	*							-	-	-	-
A5.1.1.3 Check/connect aircraft static ground wires	*							-	-	-	-
A5.1.1.4 Check/install ejection seat safing pins	*							-	-	-	-
A5.1.1.5 Check/install aircraft wheel chocks	*							-	-	-	-
A5.1.1.6 Inspect aircraft for hazardous conditions such as fuel and liquid oxygen leaks	*							-	-	-	-
A5.1.1.7 Locate electrical distribution system components (circuit breakers, relays, etc.)								-	-	-	-
A5.1.1.8 Remove and replace circuit breakers, fuses, lamps, and relays								-	-	-	-
A5.1.1.9 Apply external power	*								-	-	-
A5.1.1.10 Operate aircraft interphone system								-	-	-	-
A5.1.1.11 Open and close nose radome	*							-	-	-	-
A5.1.1.12 Secure/unsecure aircraft panels, doors, and radomes applicable to EW systems	*							-	-	-	-
A5.1.1.13 Inspect and repair LRU racks, shock mounts, and static bonding devices								-	-	-	-
A5.1.1.14 Perform aircraft preflight inspection (EWS portion)	*							-	-	-	-
A5.1.1.15 Perform aircraft alert inspection (EWS portion)	*							-	-	-	-
A5.1.1.16 Apply hydraulic power								-	-	-	-
A5.1.1.17 Operate flaps								-	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.1.2 AN/ALE-20 Flare Ejector System TR: TO 1B-52H-2-20, Sect. 6											
A5.1.2.1 Theory of operation								-	-	-	-
A5.1.2.2 Troubleshoot								-	-	-	-
A5.1.2.3 Perform stepper switch resetting procedure	*							-	-	-	-
A5.1.2.4 Adjust flare door safety switch		*						-	-	-	-
A5.1.2.5 Perform Operational Checks											
A5.1.2.5.1 Preload checkout	*							-	-	-	-
A5.1.2.5.2 Fast checkout								-	-	-	-
A5.1.2.5.3 Complete checkout								-	-	-	-
A5.1.2.6 Remove And Install Components											
A5.1.2.6.1 Flare programming control panel								-	-	-	-
A5.1.2.6.2 C-9510 Master Expendables Control Panel (MECP)								-	-	-	-
A5.1.2.6.3 Junction box								-	-	-	-
A5.1.2.6.4 Stepping switches								-	-	-	-
A5.1.2.6.5 Ground test and safety interlock switches	*							-	-	-	-
A5.1.3 AN/ALE-24 Chaff Dispensing System TR: TO 1B-52H-2-20, Sect. 7											
A5.1.3.1 Theory of operation								-	-	-	-
A5.1.3.2 Troubleshoot								-	-	-	-
A5.1.3.3 Perform Operational Checks											
A5.1.3.3.1 Chaff dispensing test procedure								-	-	-	-
A5.1.3.3.2 Complete checkout								-	-	-	-
A5.1.3.4 Remove And Install Components											
A5.1.3.4.1 C-4507 Programmer								-	-	-	-
A5.1.3.4.2 C-4508 Selector								-	-	-	-
A5.1.3.4.3 D-20 Ejectors								-	-	-	-
A5.1.3.4.4 Magazines	*							-	-	-	-
A5.1.4 AN/ALR-20 Panoramic Receiver TR: TO 1B-52H-2-20, Sect 4											
A5.1.4.1 Theory of operation								B	B	-	-
A5.1.4.2 Troubleshoot								2b	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.1.4.3 Perform Operational Checks											
A5.1.4.3.1 Fast checkout								2b	-	-	-
A5.1.4.3.2 Look through checks								-	-	-	-
A5.1.4.3.3 Monitor probe antenna check								-	-	-	-
A5.1.4.3.4 Blanking check								-	-	-	-
A5.1.4.4 Remove And Install Components											
A5.1.4.4.1 C-9449 Receiver control								-	-	-	-
A5.1.4.4.2 C-4782 Jammer control								-	-	-	-
A5.1.4.4.3 IP-1168, IP1168B Indicators								-	-	-	-
A5.1.4.4.4 PP-3406 Power supply								-	-	-	-
A5.1.4.4.5 TN-386A – TN-391A Tuners								-	-	-	-
A5.1.4.4.6 Blanking amplifier								-	-	-	-
A5.1.4.4.7 DC6012, DC6013, DC6014 Directional Couplers								-	-	-	-
A5.1.4.4.8 S6239 Omni monitor coaxial switch								-	-	-	-
A5.1.4.4.9 Antennas								-	-	-	-
A5.1.5 AN/ALT-32A Jamming Transmitter TR: TO 1B-52H-2-20, Sect 11											
A5.1.5.1 Theory of operation								B	B	-	-
A5.1.5.2 Troubleshoot								-	-	-	-
A5.1.5.3 Perform Fast Checkout								-	-	-	-
A5.1.5.4 Remove And Install Components											
A5.1.5.4.1 C-7721, C-7722 Control-Indicators								-	-	-	-
A5.1.5.4.2 PP-6087 Power supplies								-	-	-	-
A5.1.5.4.3 T-1086, T-1087 Transmitters								-	-	-	-
A5.1.5.4.4 FL6130, FL6136 Filters								-	-	-	-
A5.1.5.4.5 Antennas								-	-	-	-
A5.1.6 AN/ALT-16A / AN/ALQ-122 Countermeasures System TR: TO 1B-52H-2-20, Sect 8											
A5.1.6.1 Theory of operation								-	-	-	-
A5.1.6.2 Troubleshoot								-	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.1.6.3 Perform Operational Checks											
A5.1.6.3.1 Operational checkout								-	-	-	-
A5.1.6.3.2 Operational checkout using the AN/USM-464 Countermeasures Test Set								-	-	-	-
A5.1.6.3.3 System test cable measurement								-	-	-	-
A5.1.6.4 Remove And Install Components											
A5.1.6.4.1 C-3358 Control-Indicators								-	-	-	-
A5.1.6.4.2 T-787A Transmitters								-	-	-	-
A5.1.6.4.3 AM-2714A Amplifiers								-	-	-	-
A5.1.6.4.4 C-9040 Control-Monitor								-	-	-	-
A5.1.6.4.5 MX-9187 Processor								-	-	-	-
A5.1.6.4.6 R-1787 Receiver								-	-	-	-
A5.1.6.4.7 CU-2030 Duplexers								-	-	-	-
A5.1.6.4.8 CU-2137 Directional coupler								-	-	-	-
A5.1.6.4.9 FL6131, FL6132, FL6158 Filters								-	-	-	-
A5.1.6.4.10 AT-6012 Attenuator								-	-	-	-
A5.1.6.4.11 Antennas								-	-	-	-
A5.1.7 AN/ALQ-153(V) TAIL WARNING SYSTEM TR: TO 1B-52H-2-20, Sect 14											
A5.1.7.1 Theory of operation								-	-	-	-
A5.1.7.2 Troubleshoot								-	-	-	-
A5.1.7.3 Operational checkout								-	-	-	-
A5.1.7.4 Remove And Install Components											
A5.1.7.4.1 C-10259 Control-Indicator								-	-	-	-
A5.1.7.4.2 CV-3439 Analog Data Signal Processor								-	-	-	-
A5.1.7.4.3 CV-3438 Digital Data Signal Processor								-	-	-	-
A5.1.7.4.4 RT-1239 Radar Receiver/Transmitter								-	-	-	-
A5.1.7.4.5 AS-3139 Antennas								-	-	-	-
A5.1.7.4.6 MT-4907 RRT resilient mount								-	-	-	-
A5.1.7.4.7 MT-4906 Signal processor resilient mount								-	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.1.8 AN/ALQ-155(V) POWER MANAGEMENT SYSTEM TR: TO 1B-52H-2-20, Sect 13											
A5.1.8.1 Theory of operation								-	-	-	-
A5.1.8.2 Troubleshoot								-	-	-	-
A5.1.8.3 Perform HD-766A filling and draining Procedures	*							-	-	-	-
A5.1.8.4 Reprogram system	*							-	-	-	-
A5.1.8.5 Perform Operational Checks											
A5.1.8.5.1 Cooling system check	*							-	-	-	-
A5.1.8.5.2 Fast checkout								-	-	-	-
A5.1.8.5.3 System checkout using the AN/USM-464 Countermeasures Test Set								-	-	-	-
A5.1.8.6 Remove And Install Components											
A5.1.8.6.1 C-10130 Control-Indicator/Programmers								-	-	-	-
A5.1.8.6.2 C-9525 Antenna select panel								-	-	-	-
A5.1.8.6.3 HD-766A Liquid coolers								-	-	-	-
A5.1.8.6.4 MX-8225 Flow protection valves								-	-	-	-
A5.1.8.6.5 RT-1219 Receiver/Transmitters and T-1150D Transmitters	*							-	-	-	-
A5.1.8.6.6 Antennas	*							-	-	-	-
A5.1.8.6.7 Perform loading/unloading procedures using transmitter loader								-	-	-	-
A5.1.9 AN/ALQ-172(V)2 Countermeasures System TR: TO 1B-52H-2-20, Sect 3											
A5.1.9.1 Theory of operation								B	B	-	-
A5.1.9.2 Troubleshoot								2b	-	-	-
A5.1.9.3 Reprogram system	*							2b	-	-	-
A5.1.9.4 Reconfigure AS-4078 Phased array antennas								-	-	-	-
A5.1.9.5 Adjust pressure switches								-	-	-	-
A5.1.9.6 Perform Operational Checks											
A5.1.9.6.1 System checkout								-	-	-	-
A5.1.9.6.2 Interface check								-	-	-	-
A5.1.9.6.3 System checkout using the AN/USM-464 Countermeasures Test Set								2b	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.1.9.6.4 Pressurization checks								-	-	-	-
A5.1.9.6.5 Blanking check								-	-	-	-
A5.1.9.7 Remove And Install Components											
A5.1.9.7.1 R-2247 PR Receivers								-	-	-	-
A5.1.9.7.2 T-1470 PR Transmitters								-	-	-	-
A5.1.9.7.3 T-1476 PD Transmitters								-	-	-	-
A5.1.9.7.4 C-11213 Control-Indicator								-	-	-	-
A5.1.9.7.5 C-11270 Control-Monitor								-	-	-	-
A5.1.9.7.6 CV-3773 Electronics Unit								-	-	-	-
A5.1.9.7.7 AS-4078 Phased Array Antennas								-	-	-	-
A5.1.9.7.8 SA-2396 Quadrant Switches								-	-	-	-
A5.1.9.7.9 C-11271 Controllers								-	-	-	-
A5.1.9.7.10 T-1471 ST Transmitter								-	-	-	-
A5.1.9.7.11 E6329, E6414, E6332 Antennas								-	-	-	-
A5.1.9.7.12 CV-3809 Signal data converters								-	-	-	-
A5.1.9.7.13 Blanking modules								-	-	-	-
A5.1.9.7.14 Pressure pumps								-	-	-	-
A5.1.9.7.15 Pressure switches								-	-	-	-
A5.1.9.7.16 Low pressure warning and blanking control panel								-	-	-	-
A5.1.9.7.17 A7226, A7231, A7232 Junction boxes								-	-	-	-
A5.1.10 Sensor Integration TR: TO 1B-52H-2-20, Sect 10											
A5.1.10.1 Theory of operation								-	-	-	-
A5.1.10.2 Troubleshoot								-	-	-	-
A5.1.10.3 Reprogram system	*							-	-	-	-
A5.1.10.4 Perform operational checkout								-	-	-	-
A5.1.10.5 Remove And Install System Components											
A5.1.10.5.1 ID-2463 Control-Indicator								-	-	-	-
A5.1.10.5.2 IP-1362 Multi-function display								-	-	-	-
A5.1.10.5.3 CM-465A Signal Processor								-	-	-	-
A5.1.10.5.4 Digital data couplers								-	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.1.11 Radar Warning Receiver TR: TO 1B-52H-2-20, Sect 12											
A5.1.11.1 Theory of operation								-	-	-	-
A5.1.11.2 Troubleshoot								-	-	-	-
A5.1.11.3 Perform dot centering adjustment								-	-	-	-
A5.1.11.4 Reprogram system											
A5.1.11.4.1 AN/ALR-46(V)4 (before TCTO 1B-52H-796)	*							-	-	-	-
A5.1.11.4.2 RWR 1553 data load (after TCTO 1B-52H-796)	*							-	-	-	-
A5.1.11.4.3 RWR alternate data load (after TCTO 1B-52H-796)								-	-	-	-
A5.1.11.5 Perform Operational Checks											
A5.1.11.5.1 Operational Checkout (before TCTO 1B-52H-796)								-	-	-	-
A5.1.11.5.2 Operational checkout (after TCTO 1B-52H-796)								-	-	-	-
A5.1.11.5.3 System checkout using the AN/USM-464 Countermeasures Test Set (before TCTO 1B-52H-796)								-	-	-	-
A5.1.11.5.4 System checkout using the AN/USM-464 Countermeasures Test Set (after TCTO 1B-52H-796)								-	-	-	-
A5.1.11.5.5 Blanking check								-	-	-	-
A5.1.11.6 Remove And Install Components											
A5.1.11.6.1 AM-6639 Amplifier-Detectors								-	-	-	-
A5.1.11.6.2 C-11528 Indicator-Control Unit								-	-	-	-
A5.1.11.6.3 IP-1310 Azimuth Indicators								-	-	-	-
A5.1.11.6.4 CM-442, CM-479 Signal Processors								-	-	-	-
A5.1.11.6.5 Antennas								-	-	-	-
A5.2. OFF-EQUIPMENT MAINTENANCE TR: TO 00-25-234, 1-1A-15											
A5.2.1 Fabricate test bench/mock-up TR: TO 00-25-234, 1-1A-15, 33-1-32								-	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.2.2 Maintain test bench/mock-up TR: TO 00-25-234, 1-1A-15								-	-	-	-
A5.2.3 Perform visual inspection of LRUs								-	-	-	-
A5.2.4 AN/ALE-24 Chaff Dispensing System TR: TO 12P3-2ALE24-2, 12P3-2ALE24-4											
A5.2.4.1 Perform AN/ALE-24 chaff magazine loading and handling procedures	*							-	-	-	-
A5.2.4.2 Perform Operational Checkout											
A5.2.4.2.1 C-4507 Programmer								-	-	-	-
A5.2.4.2.2 C-4508 Selector								-	-	-	-
A5.2.4.2.3 D-20 Dispenser								-	-	-	-
A5.2.4.3 Troubleshoot/Align											
A5.2.4.3.1 C-4507 Programmer								-	-	-	-
A5.2.4.3.2 C-4508 Selector								-	-	-	-
A5.2.4.3.3 D-20 Dispenser								-	-	-	-
A5.2.5 AN/ALQ-155(V) Power Management System TR: TO 12P3-2ALQ155-2											
A5.2.5.1 Perform C-10130 Operational checkout								-	-	-	-
A5.2.5.2 Align C-10130								-	-	-	-
A5.2.5.3 Troubleshoot C-10130								-	-	-	-
A5.2.5.4 Perform RT-1219 Operational checkout								-	-	-	-
A5.2.5.5 Align RT-1219								-	-	-	-
A5.2.5.6 Troubleshoot RT-1219								-	-	-	-
A5.2.5.7 AN/ALM-99B Test Set TR: TO 33D7-42-11-1											
A5.2.5.7.1 Perform operational checkout								-	-	-	-
A5.2.5.7.2 Troubleshoot								-	-	-	-
A5.2.5.7.3 Calibrate								-	-	-	-
A5.2.5.8 AN/ALM-194 TR: TO 33D7-13-80-1											
A5.2.5.8.1 Perform operational checkout								-	-	-	-
A5.2.5.8.2 Perform power supply voltage measurement								-	-	-	-
A5.2.5.8.3 Perform preventive maintenance								-	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.2.5.8.4 Troubleshoot								-	-	-	-
A5.2.5.9 AN/ALM-244 TR: TO 33D7-29-7-1											
A5.2.5.9.1 Inspect and repair								-	-	-	-
A5.2.6 AN/ALQ-172(V) CM SYSTEM TR: TO 12P3-2ALQ172-2											
A5.2.6.1 Perform system checkout								-	-	-	-
A5.2.6.2 Troubleshoot								-	-	-	-
A5.2.6.3 Reprogram LRUs								-	-	-	-
A5.2.6.4 Perform LRU repairs								-	-	-	-
A5.2.6.5 AN/ALM-252(V) Test Bench TR: TO 33D7-13-109-1											
A5.2.6.5.1 Operate								2b	-	-	-
A5.2.6.5.2 Inspect and clean								-	-	-	-
A5.2.6.5.3 Perform calibration check and adjustment								-	-	-	-
A5.2.6.5.4 Perform checkout								-	-	-	-
A5.2.6.5.5 Troubleshoot								-	-	-	-
A5.2.6.6 AN/ALM-267 Miltope Tiger II Electronic Test Set TR: TO 33D7-3-335-1, TM M365-295											
A5.2.6.6.1 Operate								-	-	-	-
A5.2.6.6.2 Inspect and clean								-	-	-	-
A5.2.6.6.3 Troubleshoot								-	-	-	-
A5.2.6.6.4 Repair								-	-	-	-
A5.2.7 AN/ALQ-153(V) Tail Warning System TR: TO 12P3-2ALQ153-2											
A5.2.7.1 Perform operational check								-	-	-	-
A5.2.7.2 Troubleshoot system								-	-	-	-
A5.2.7.3 CV-3438 Digital Data Signal Processor TR: TO 12P3-4-78-2											
A5.2.7.3.1 Perform checkout								-	-	-	-
A5.2.7.3.2 Inspect								-	-	-	-
A5.2.7.3.3 Troubleshoot								-	-	-	-
A5.2.7.3.4 Repair								-	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.2.7.4 TS-3861 Digital Data Signal Processor (DDSP) Test Set TR: TO 33D7-33-137-1											
A5.2.7.4.1 Perform operational checkout								-	-	-	-
A5.2.7.4.2 Inspect and calibrate								-	-	-	-
A5.2.7.4.3 Troubleshoot								-	-	-	-
A5.2.7.4.4 Repair								-	-	-	-
A5.2.7.5 TS-3862 AN/ALQ-153 Test Bench TR: TO 12P3-2ALQ153-2											
A5.2.7.5.1 Perform operational check								-	-	-	-
A5.2.7.5.2 Inspect								-	-	-	-
A5.2.7.5.3 Troubleshoot								-	-	-	-
A5.2.7.5.4 Repair								-	-	-	-
A5.2.8 AN/USM-464 COUNTERMEASURES TEST SET TR: TO 33D7-13-85-1											
A5.2.8.1 Perform inspections and preventive Maintenance								-	-	-	-
A5.2.8.2 Troubleshoot								-	-	-	-
A5.2.8.3 Remove and replace components								b	-	-	-
A5.2.8.4 Perform Intermediate Level Calibration								-	-	-	-
A5.2.8.5 Perform Winchester drive files maintenance								-	-	-	-
A5.2.8.6 AN/USM-601 CTS Test Station TR: TO 33D7-13-86-1											
A5.2.8.6.1 Inspect and repair								-	-	-	-
A5.2.8.6.2 Perform operational checkout								-	-	-	-
A5.2.8.7 Inspect and maintain AN/ALR-46/69 Test Program Set) TR: TO 33D7-50-1545-1								-	-	-	-
A5.2.8.8 Inspect and maintain AN/ALQ-122 Test Program Set (TPS) TR: TO 1B-52H-2-20, Sect. 8								-	-	-	-
A5.2.8.9 Inspect and maintain AN/ALQ-155(V) Test Program Set (TPS) TR: TO 33D7-50-1221-1								-	-	-	-

B-52H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A5.2.8.10 Inspect and maintain AN/ALQ-172(V)2 Test Program Set (TPS) TR: TO 33D7-50-1976-1								-	-	-	-
A5.2.9 Radar Warning Receiver (RWR) TR: TO 12P3-2ALR69-98-1											
A5.2.9.1 Perform operational checkout								-	-	-	-
A5.2.9.2 Troubleshoot								-	-	-	-
A5.2.9.3 Reprogram								-	-	-	-
A5.2.9.4 Perform LRU repairs								-	-	-	-
A5.2.9.5 RWR Mock-up											
A5.2.9.5.1 Perform operational checkout								-	-	-	-
A5.2.9.5.2 Inspect								-	-	-	-
A5.2.9.5.3 Troubleshoot								-	-	-	-
A5.2.9.5.4 Repair								-	-	-	-
A5.2.10 Inspect and maintain OF-180 Aircraft Adapter Group (AAG) TR: TO 33D7-50-1267-1								-	-	-	-
A5.2.11 Inspect and maintain OF-208 Aircraft Adapter Group (AAG) TR: TO 33D7-50-1623-1								-	-	-	-

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC

ATTACHMENT 6

NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.

NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.

NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN: 736-7899.

C-141											
A6.1 ON-EQUIPMENT MAINTENANCE TR: 1C-141B-2-05JG-00-1, 1C-141B2-23JG-40-1, 1C-141B-2-27JG-00-1											
A6.1.1 General											
A6.1.1.1 Ensure aircraft is safe for maintenance	*							-	-	-	-
A6.1.1.2 Apply external power	*							-	-	-	-
A6.1.1.3 Apply hydraulic power								-	-	-	-
A6.1.1.4 Operate flaps								-	-	-	-
A6.1.1.5 Operate spoilers								-	-	-	-
A6.1.1.6 Operate Interphone System								-	-	-	-
A6.1.1.7 Secure/Unsecure/Inspect Doppler Radome								-	-	-	-
A6.2 AN/ALE-47 CMDS TR: 1C-141B-2-99JG-20-1-5, 1C-141B-2-99JG-20-1-6, 1C-141B-2-99FI-00-1-3, 1C-141B-6											
A6.2.1 Theory of operation								-	-	-	-
A6.2.2 Perform operational check	*							-	-	-	-
A6.2.3 Troubleshoot								-	-	-	-
A6.2.4 Remove and Install Components											
A6.2.4.1 Programmer	*							-	-	-	-
A6.2.4.2 Control Display Unit	*							-	-	-	-
A6.2.4.3 Indicator/Arm Control Panel	*							-	-	-	-
A6.2.4.4 Remote Dispense Switches	*							-	-	-	-
A6.2.4.5 Sequencer Switches	*							-	-	-	-
A6.2.4.6 Dispenser Assemblies	*							-	-	-	-
A6.2.4.7 Safety Switches	*							-	-	-	-
A6.2.4.8 Bus Coupler	*							-	-	-	-

C-5/C-17/C-130E/H/J/HC-130N/P/ C-141 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.2.4.9 Load crew academic training TR: 11A-1-33, AFM 91-201								-	-	-	-
A6.2.4.10 Load crew practical training TR: 11A-1-33, AFM 91-201								-	-	-	-
A6.2.4.11 Upload/download flares and chaff TR: 11A-1-33								-	-	-	-
A6.3 AN/AAR-47 MISSILE WARNING SYSTEM (MWS) TR: 1C-141B-2-99JG-20-1-7, 1C-141B-2-99FI-00-1-3, 1C-141B-6											
A6.3.1 Theory of operation								-	-	-	-
A6.3.2 Perform operational check	*							-	-	-	-
A6.3.3 Troubleshoot								-	-	-	-
A6.3.4 Reprogram MWS	*							-	-	-	-
A6.3.5 Remove and install components											
A6.3.5.1 Control Indicator	*							-	-	-	-
A6.3.5.2 Computer Processor	*							-	-	-	-
A6.3.5.3 Auto Dispense Control Panel	*							-	-	-	-
A6.3.5.4 Optical Sensor Converter	*							-	-	-	-
A6.3.5.5 Remote Threat Indicators	*							-	-	-	-
A6.3.5.6 Lamp Driver	*							-	-	-	-
A6.4 OFF EQUIPMENT											
A6.4.1 Functionally Check Countermeasure Dispensing System								-	-	-	-
A6.4.2 Functionally Check MWS LRUs								-	-	-	-
A6.4.3 Maintain Magazine Assemblies TR: 12P3-2ALE-102								-	-	-	-
C-130E/H/HC-130N/P											
A6.5 C-130E/H, HC-130N/P and EC-130E ON-EQUIPMENT MAINTENANCE TR: Applicable aircraft series TOs											
A6.5.1 General											
A6.5.1.1 Ensure Aircraft is safe for maintenance	*							-	-	-	-
A6.5.1.2 Apply external power	*							-	-	-	-
A6.5.1.3 Operate Interphone System								-	-	-	-
A6.5.1.4 Apply Hydraulic Power								-	-	-	-

C-5/C-17/C-130E/H/J/HC-130N/P/ C-141 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.5.1.5 Operate Flaps								-	-	-	-
A6.6 AN/ALE-40 CMDS TR: 1C-130H-2-99JG-30-1, 33DA112-16-1, 1C-130B-2-14, other applicable directives											
A6.6.1 Theory of operation								-	-	-	-
A6.6.2 Perform CMDS operational checkout	*							-	-	-	-
A6.6.3 Troubleshoot System								-	-	-	-
A6.6.4 Remove and install components											
A6.6.4.1 Control Display Unit (CDU)	*							-	-	-	-
A6.6.4.2 Programmer	*							-	-	-	-
A6.6.4.3 Sequencer Switch	*							-	-	-	-
A6.6.4.4 EMI Filter	*							-	-	-	-
A6.6.4.5 Dispenser	*							-	-	-	-
A6.6.4.6 Remote Dispense Switches	*							-	-	-	-
A6.6.4.7 Manual Dispense Switch/CDU Lamp Test Control	*							-	-	-	-
A6.6.4.8 Program Select/Inverter Assembly	*							-	-	-	-
A6.6.5 Load crew academic training TR: 11A-1-33, 1C-130A-33-1-2CL-9, AFM 91-201								-	-	-	-
A6.6.6 Load crew practical training TR: 11A-1-33, 1C-130A-33-1-2CL-9, AFM 91-201								-	-	-	-
A6.6.7 Upload/download flares and chaff TR: 11A-1-33, 1C-130A-33-1-2CL-9	*							-	-	-	-
A6.7 AN/ALE- 47 CMDS TR: 1C-130H-2-99JG-30-2, 33DA112-16-1, 1C-130B-2-14, other applicable directives											
A6.7.1 Theory of operation								B	B	-	-
A6.7.2 Reprogram AN/ALE-47 CMDS	*							2b	-	-	-
A6.7.3 Perform CMDS operational checkout	*							2b	-	-	-
A6.7.4 Troubleshoot System								2b	-	-	-
A6.7.5 Remove and install components											
A6.7.5.1 Control Display Unit (CDU)	*							-	-	-	-
A6.7.5.2 Programmer	*							-	-	-	-
A6.7.5.3 Sequencers	*							2b	-	-	-

C-5/C-17/C-130E/H/J/HC-130N/P/ C-141 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.7.5.4 Safety Switches	*							-	-	-	-
A6.7.5.5 Dispensers	*							-	-	-	-
A6.7.5.6 Remote Dispense Switches	*							-	-	-	-
A6.7.5.7 Manual Dispense Switch/CDU Lamp Test Control	*							-	-	-	-
A6.7.5.8 Program Select/Inverter Assembly	*							-	-	-	-
A6.7.5.9 MWS to CMD5 signal inverter	*							-	-	-	-
A6.7.5.10 AN/ALE-47 Control Panel	*							-	-	-	-
A6.7.6 Load crew academic training TR: 11A-1-33, 1C-130A-33-1-2CL-9, 1C-130A-33-1-2, AFM 91-201								-	-	-	-
A6.7.7 Load crew practical training TR: 11A-1-33, 1C-130A-33-1-2CL-9, AFM 91-201								-	-	-	-
A6.7.8 Upload/download flares and chaff TR: 11A-1-33, 1C-130A-33-1-2CL-9								-	-	-	-
A6.8 AN/AAR-47 MISSILE WARNING SYSTEM TR: 1C-130H-2-99JG-10-1, 1C-130-2-16, 33DA112-16-1, 1C-130B-2-14, other applicable directives											
A6.8.1 Theory of operation								B	B	-	-
A6.8.2 Reprogram	*							2b	-	-	-
A6.8.3 Perform operational check	*							2b	-	-	-
A6.8.4 Troubleshoot system								-	-	-	-
A6.8.5 Remove and install components											
A6.8.5.1 Optical Sensor Converter	*							-	-	-	-
A6.8.5.2 Control Indicator	*							-	-	-	-
A6.8.5.3 Computer Processor	*							2b	-	-	-
A6.8.5.4 Auto Select Control/Threat Indicator Inverter	*							-	-	-	-
A6.8.5.5 MWS Lamp Driver	*							-	-	-	-
A6.8.5.6 Remote Threat Indicators	*							-	-	-	-
A6.8.6 Clean Optical Sensors								-	-	-	-
A6.9 AN/ALR-69 RWR TR: 1C-130H-2-99JG-10-2 series, 1C-130H-2-14, 33DA112-16-1, 33D7-50-1623-1, other applicable directives											
A6.9.1 Theory of operation								B	B	-	-

C-5/C-17/C-130E/H/J/HC-130N/P/ C-141 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.9.2 Reprogram	*							2b	-	-	-
A6.9.3 Perform operational checkout	*							2b	-	-	-
A6.9.4 Troubleshoot system								-	-	-	-
A6.9.5 Perform 360-Day Cable Insertion Loss Test											
A6.9.6 Remove and install components											
A6.9.6.1 E/J Band Pre-Amplifiers	*							-	-	-	-
A6.9.6.2 C/D Band Amplifier	*							-	-	-	-
A6.9.6.3 FSRS Receiver	*							-	-	-	-
A6.9.6.4 FSRS Receiver Controller	*							-	-	-	-
A6.9.6.5 Signal Processor	*							2b	-	-	-
A6.9.6.6 Indicator Control Unit	*							-	-	-	-
A6.9.6.7 Azimuth Indicator	*							-	-	-	-
A6.9.6.8 Antenna Switch	*							-	-	-	-
A6.9.6.9 System Antennas	*							-	-	-	-
A6.9.6.10 Blanking Assembly	*							-	-	-	-
A6.9.6.11 Bus Coupler	*							-	-	-	-
A6.9.6.12 Audio Control Panel	*							-	-	-	-
A6.10 OFF-EQUIPMENT MAINTENANCE TR: 00-25-234, 1-1A-15											
A6.10.1 Reprogramming support equipment TR: Applicable system and equipment technical orders/directives											
A6.10.1.1 Access and download software/files from the BBS		*						-	-	-	-
A6.10.1.2 Configure software		*						-	-	-	-
A6.10.2 Off-Equipment											
A6.10.2.1 Functionally Check/Align ALR-69 LRUs											
A6.10.2.1.1 E/J Band Pre-Amplifiers	*							-	-	-	-
A6.10.2.1.2 C/D Band Amplifier	*							-	-	-	-
A6.10.2.1.3 FSRS Receiver	*							-	-	-	-
A6.10.2.1.4 FSRS Receiver Controller	*							-	-	-	-
A6.10.2.1.5 Signal Processor	*							-	-	-	-
A6.10.2.1.6 Indicator Control Unit	*							-	-	-	-
A6.10.2.1.7 Azimuth Indicator	*							-	-	-	-

C-5/C-17/C-130E/H/J/HC-130N/P/ C-141 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.10.2.1.8 Antenna Switch	*							-	-	-	-
A6.10.2.1.9 System Antennas	*							-	-	-	-
A6.10.2.1.10 Blanking Assembly	*							-	-	-	-
A6.10.2.2 CMDS LRUs											
A6.10.2.2.1 Control Display Unit (CDU)								-	-	-	-
A6.10.2.2.2 Programmer	*							-	-	-	-
A6.10.2.2.3 Sequencer	*							-	-	-	-
A6.10.2.2.4 Safety Switch	*							-	-	-	-
A6.10.2.2.5 Dispenser	*							-	-	-	-
A6.10.2.2.6 Remote Dispense Switches	*							-	-	-	-
A6.10.2.2.7 Manual Dispense Switch/CDU Lamp Test Control	*							-	-	-	-
A6.10.2.2.8 Program Select/Inverter Assembly	*							-	-	-	-
A6.10.2.2.9 MWS to CMDS signal inverter	*							-	-	-	-
A6.10.2.2.10 ALE 47 Control panel	*							-	-	-	-
A6.10.2.3 MWS LRUs											
A6.10.2.3.1 Optical Sensor Converter	*							-	-	-	-
A6.10.2.3.2 Control Indicator	*							-	-	-	-
A6.10.2.3.3 Computer Processor	*							-	-	-	-
A6.10.2.3.4 Auto Select Control/Threat Indicator Inverter	*							-	-	-	-
A6.10.2.3.5 MWS Lamp Driver	*							-	-	-	-
A6.10.2.4 Maintain Magazine Assemblies TR: 12P3-2ALE-102								-	-	-	-
A6.11 ALQ-157 INFRARED TRANSMITTER SYSTEM TR: TO 1C-130B-2-14											
A6.11.1. Remove and Install components	*							-	-	-	-
A6.11.2. Perform operational check	*							-	-	-	-
A6.11.3. Troubleshoot system								-	-	-	-
C-130J											
A6.12 AN/ALR-56M RADAR WARNING RECEIVER (RWR) TR: TO 1C-1305-2-93JG-71-01											
A6.12.1 Theory of Operation								-	-	-	-
A6.12.2 Perform Operational checkout	*							-	-	-	-

C-5/C-17/C-130E/H/J/HC-130N/P/ C-141 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.12.3 Troubleshoot system								-	-	-	-
A6.12.4 Remove/Install system components								-	-	-	-
A6.12.5 Reprogram system	*							-	-	-	-
A6.13 AN/ALE-47 COUNTER MEASURES DISPENSING SET (CMDS) TR: TO 1C-130-2-99JG-14-01											
A6.13.1 Theory of Operation								-	-	-	-
A6.13.2 Perform Operational Check	*							-	-	-	-
A6.13.3 Troubleshoot system								-	-	-	-
A6.13.4 Remove/install components								-	-	-	-
A6.13.5 Reprogram System	*							-	-	-	-
A6.13.6 Perform AN/AAR-47 MWS Interface test								-	-	-	-
A6.14 AN/AAR-47 MISSILE WARNING SYSTEM (MWS) TR: TO 1C-130-2-95JG-51-01											
A6.14.1 Theory of Operation								-	-	-	-
A6.14.2 Perform Operational Check	*							-	-	-	-
A6.14.3 Troubleshoot System								-	-	-	-
A6.14.4 Remove/Install components								-	-	-	-
A6.14.5 Perform AN/ALE-47 CMDS interface test								-	-	-	-
A6.14.6 Reprogram System	*							-	-	-	-
C-5A/B											
A6.15 ON-EQUIPMENT MAINTENANCE TR: TO 1C-5A-2-1											
A6.15.1 General											
A6.15.1.1 Ensure Aircraft is safe for maintenance	*							-	-	-	-
A6.15.1.2 Apply external power	*							-	-	-	-
A6.15.1.3 Operate Inter-phone System								-	-	-	-
A6.15.1.4 Apply hydraulic power								-	-	-	-
A6.15.1.5 Operate flaps								-	-	-	-
A6.16 AN/ALE-47 CMDS TR: TO 1C-5A-2-8-2											
A6.16.1 Theory of operation								-	-	-	-
A6.16.2 Perform operational check	*							-	-	-	-

C-5/C-17/C-130E/H/J/HC-130N/P/ C-141 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.16.3 Troubleshoot system								-	-	-	-
A6.16.4 Remove and install components											
A6.16.4.1 Programmer								-	-	-	-
A6.16.4.2 Control Display Unit								-	-	-	-
A6.16.4.3 Master Safety Switch								-	-	-	-
A6.16.4.4 Remote Dispense Switches								-	-	-	-
A6.16.4.5 Sequencer Switches								-	-	-	-
A6.16.4.6 Dispenser Assemblies								-	-	-	-
A6.16.4.7 Safety Switches								-	-	-	-
A6.16.4.8 Bus Coupler								-	-	-	-
A6.16.5 Reprogram CMDS								-	-	-	-
A6.16.6 Load crew academic training TR: 11A-1-33, AFM 91-201	*							-	-	-	-
A6.16.7 Load crew practical training TR: 11A-1-33, AFM 91-201	*							-	-	-	-
A6.16.8 Upload/download flares and chaff TR: 11A-1-33	*							-	-	-	-
A6.17 AN/AAR-47 MWS TR: TO 1C-5A-2-8-2											
A6.17.1 Theory of operation								-	-	-	-
A6.17.2 Perform operational check	*							-	-	-	-
A6.17.3 Troubleshoot								-	-	-	-
A6.17.4 Remove and install components											
A6.17.4.1 Control Indicator								-	-	-	-
A6.17.4.2 Computer Processor								-	-	-	-
A6.17.4.3 Auto Dispense Control Panel								-	-	-	-
A6.17.4.4 Optical Sensor Converter								-	-	-	-
A6.17.4.5 Dual Channel Repeater								-	-	-	-
A6.17.4.6 Remote Threat Indicators								-	-	-	-
A6.17.4.7 Lamp Driver								-	-	-	-
A6.17.5 Reprogram MWS								-	-	-	-
A6.18 OFF-EQUIPMENT											
A6.18.1 Functionally Check CMDS LRUs								-	-	-	-

C-5/C-17/C-130E/H/J/HC-130N/P/ C-141 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.18.2 Functionally Check MWS LRUs								-	-	-	-
A6.18.3 Maintain Magazine Assemblies TR: 12P3-2ALE-102								-	-	-	-
C-17											
A6.19 ON-EQUIPMENT MAINTENANCE TR: 1C-17A-2-93JG-30-1											
A6.19.1 General											
A6.19.1.1 Ensure Aircraft is safe for maintenance	*							-	-	-	-
A6.19.1.2 Apply external power	*							-	-	-	-
A6.19.1.3 Apply hydraulic power								-	-	-	-
A6.19.1.4 Operate flaps								-	-	-	-
A6.19.1.5 Operate Cargo Bay Doors								-	-	-	-
A6.19.1.6 Operate Inter phone System								-	-	-	-
A6.19.2 AN/ALE-47 CMDS TR: 1C-17A-2-93JG-10-1											
A6.19.2.1 Theory of operation								-	-	-	-
A6.19.2.2 Perform operational check	*							-	-	-	-
A6.19.2.3 Troubleshoot system								-	-	-	-
A6.19.2.4 Remove and install components											
A6.19.2.4.1 Programmer								-	-	-	-
A6.19.2.4.2 Control Display Unit								-	-	-	-
A6.19.2.4.4 Sequencer Switches								-	-	-	-
A6.19.2.4.5 Dispenser Assemblies								-	-	-	-
A6.19.2.4.6 Safety Switches								-	-	-	-
A6.19.2.4.7 Bus Coupler								-	-	-	-
A6.19.2.4.8 Arm/Manual Dispense Panel								-	-	-	-
A6.19.2.5 Reprogram CMDS	*							-	-	-	-
A6.19.2.6 Load crew academic training TR: 11A-1-33, AFM 91-201	*							-	-	-	-
A6.19.2.7 Load crew practical training TR: 11A-1-33, AFM 91-201	*							-	-	-	-
A6.19.2.8 Upload/download flares and chaff TR: 11A-1-33	*							-	-	-	-
A6.20 AN/AAR-47 MISSILE WARNING SYSTEM/ LASER TR: 1C-17A-2-93JG-30-1											

C-5/C-17/C-130E/H/J/HC-130N/P/ C-141 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.20.1 Theory of operation								-	-	-	-
A6.20.2 Perform operational checks	*							-	-	-	-
A6.20.3 Troubleshoot system								-	-	-	-
A6.20.4 Remove and install components								-	-	-	-
A6.20.4.1 Control Indicator								-	-	-	-
A6.20.4.2 Computer Processor								-	-	-	-
A6.20.4.3 Optical Sensor Converter								-	-	-	-
A6.20.4.4 Dual Channel Repeaters								-	-	-	-
A6.20.4.5 Remote Threat Indicators								-	-	-	-
A6.20.4.6 Lamp Driver								-	-	-	-
A6.20.5 Reprogram MWS	*							-	-	-	-
A6.21 OFF-EQUIPMENT											
A6.21.1 Functionally Check CMDS LRUs								-	-	-	-
A6.21.2 Functionally Check MWS LRUs								-	-	-	-
A6.21.3 Maintain Magazine Assemblies TR: 12P3-2ALE-102								-	-	-	-

HH-60G/MH-60G TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 7											
NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.											
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.											
A7.1 H-60 ON EQUIPMENT MAINTENANCE											
A7.1.1 General											
A7.1.1.1 Ensure Aircraft is safe for maintenance	*							-	-	-	-
A7.1.1.2 Apply external power	*							-	-	-	-
A7.1.1.3 Operate interphone system								-	-	-	-
A7.1.1.4 Perform Visual Inspections								-	-	-	-
A7.1.1.5 Secure/unsecure panels								-	-	-	-
A7.1.1.6 Inspect/repair LRU racks and shock mounts								-	-	-	-
A7.1.1.7 Use H60 wiring diagrams								-	-	-	-
A7.2 AN/ALE-40/47 CMDS TR: 1H-60(H)G-2-12, 1H-60(H)G-2-13, 33DA112-16-1											
A7.2.1 Theory of operation TR: 1H-60(H)G-2-11								-	-	-	-
A7.2.2 Reprogram AN/ALE-47 CMDS	*							-	-	-	-
A7.2.3 Perform operational checkout TR: 1H-60(H)G-2-12	*							-	-	-	-
A7.2.4 Troubleshoot system TR: 1H-60(H)G-2-12								-	-	-	-
A7.2.5 Remove and install components TR: 1H- 60(H)G-2-13											
A7.2.5.1 Sequencer Switch								-	-	-	-
A7.2.5.2 Interconnect Box								-	-	-	-
A7.2.5.3 EMI Filters								-	-	-	-
A7.2.5.4 Dispenser Control Panel								-	-	-	-
A7.2.5.5 Programmer								-	-	-	-
A7.2.5.6 Cockpit Control Unit								-	-	-	-
A7.2.5.7 Armed Indicator								-	-	-	-
A7.2.5.8 Remote Dispense Switch								-	-	-	-
A7.2.5.9 Light Control								-	-	-	-
A7.2.5.10 Dispenser Assembly								-	-	-	-

HH-60G/MH-60G TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.2.5.11 Mount Assembly								-	-	-	-
A7.3 M-130 CHAFF/FLARE DISPENSER SYSTEM											
A7.3.1 Theory of operation TR: 1H-60(H)G-2-11								-	-	-	-
A7.3.2 Perform operational checkout TR: 1H-60(H)G-2-9	*							-	-	-	-
A7.3.3 Troubleshoot system TR: 1H-60(H)G-2-9								-	-	-	-
A7.3.4 Remove and install components TR: 1H-60(H)G-2-6											
A7.3.4.1 Dispenser								-	-	-	-
A7.3.4.2 Dispenser Control Panel								-	-	-	-
A7.3.4.3 Electronics Module								-	-	-	-
A7.3.4.4 Remote Dispense Switch								-	-	-	-
A7.4 AN/AAR-47 MWS TR: 1H-60(H)G-2-12, 33DA112-16-1											
A7.4.1 Theory of operation TR: 1H-60(H)G-2-11								-	-	-	-
A7.4.2 Reprogram system	*							-	-	-	-
A7.4.3 Perform operational checkout TR: 1H-60(H)G-2-12	*							-	-	-	-
A7.4.4 Troubleshoot system TR: 1H-60(H)G-2-12								-	-	-	-
A7.4.5 Remove and install components TR: 1H-60(H)G											
A7.4.5.1 Processor								-	-	-	-
A7.4.5.2 Sensors								-	-	-	-
A7.4.5.3 Control Indicator								-	-	-	-
A7.4.5.4 Interface box								-	-	-	-
A7.4.6 Clean Optical Sensors TR: 1H-60(H)G-2-12								-	-	-	-
A7.5 APR-39A RWR TR: 1H-60(H)G-2-11, 12, 13											
A7.5.1 Theory of operation TR: 1H-60(H)G-2-11								-	-	-	-
A7.5.2 Reprogram system	*							-	-	-	-

HH-60G/MH-60G TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.5.3 Perform operational checkout TR: 1H-60(H)G-2-12	*							-	-	-	-
A7.5.4 Troubleshoot system TR: 1H-60(H)G-2-12								-	-	-	-
A7.5.5 Remove and install components TR: 1H-60(H)G-2-13											
A7.5.5.1 Processor								-	-	-	-
A7.5.5.2 User Data Module								-	-	-	-
A7.5.5.3 Antennas								-	-	-	-
A7.5.5.4 Hard-lines								-	-	-	-
A7.5.5.5 Receiver								-	-	-	-
A7.5.5.6 Indicator								-	-	-	-
A7.6 AN/ALR-69 RWR											
A7.6.1 Theory of operation								-	-	-	-
A7.6.2 Reprogram System								-	-	-	-
A7.6.3 Perform Operational checkout								-	-	-	-
A7.6.4 Troubleshoot system								-	-	-	-
A7.6.5 Perform 360-Day Cable Insertion Loss Test								-	-	-	-
A7.6.6 Remove and install components											
A7.6.6.1 Processor								-	-	-	-
A7.6.6.2 Receiver Controller								-	-	-	-
A7.6.6.3 Receiver								-	-	-	-
A7.6.6.4 Amplifier Detector E-J								-	-	-	-
A7.6.6.5 Amplifier Detector OMNI								-	-	-	-
A7.6.6.6 Threat Display Unit								-	-	-	-
A7.6.6.7 Prime Indicator								-	-	-	-
A7.6.6.8 Indicator IP 1310								-	-	-	-
A7.6.6.9 Remote Dispense Switch								-	-	-	-
A7.6.6.10 Antennas								-	-	-	-
A7.6.6.11 Antenna Switch								-	-	-	-
A7.6.6.12 Bus Coupler								-	-	-	-
A7.6.6.13 Audio Control Panel								-	-	-	-
A7.7 AN/ALQ-144A INFRARED JAMMER SYSTEM TR: 1H-60(H)G-2-11, 12, 13											

HH-60G/MH-60G TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.7.1 Theory of operation TR: 1H-60(H)G-2-11								-	-	-	-
A7.7.2 Perform operational checkout TR: 1H-60(H)G-2-12	*							-	-	-	-
A7.7.3 Troubleshoot system TR: 1H-60(H)G-2-13								-	-	-	-
A7.7.4 Remove and install components TR: 1H-60(H)G-2-13											
A7.7.4.1 Transmitter								-	-	-	-
A7.7.4.2 Operator control unit								-	-	-	-
A7.7.5 Load/Verify/Reprogram Transmitter	*							-	-	-	-
A7.7.6 Clean Covert Window Assembly								-	-	-	-
A7.8 ALQ-123 Countermeasures Set											
A7.8.1 Theory of operation								-	-	-	-
A7.8.2 Perform operational check/BIT								-	-	-	-
A7.8.3 Load/Verify/Reprogram								-	-	-	-
A7.8.4 Troubleshoot								-	-	-	-
A7.8.5 Remove and install components								-	-	-	-
A7.9 HH-60G/MH-60G OFF-EQUIPMENT MAINTENANCE TR: 00-25-234, 1-1A-15											
A7.9.1 Perform Visual Inspection of LRUs								-	-	-	-
A7.9.2 Verify AN/ALQ-144A Time Change Item Replacement Schedules TR: TM 11-5865-200-34-1								-	-	-	-
A7.9.3 Replacement of Time Change Items TR: TM 11-5865-200-12											
A7.9.3.1 Source								-	-	-	-
A7.9.3.2 High Speed Bearing Assembly								-	-	-	-
A7.9.3.3 High Speed Motor								-	-	-	-
A7.9.3.4 Low Speed Motor								-	-	-	-
A7.9.3.5 Lower Speed Bearing								-	-	-	-
A7.9.3.6 Upper Speed Bearing								-	-	-	-
A7.9.4 Clean ALQ-144								-	-	-	-
A7.9.5 Accomplish Minimum Performance checks											
A7.9.5.1 Radar Warning System								-	-	-	-

HH-60G/MH-60G TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A7.9.5.2 Chaff/Flare Dispensers								-	-	-	-
A7.9.5.3 Infrared Transmitters TR: TM 11-5865-200-34-1								-	-	-	-
A7.9.6 Isolate Defective Subassemblies											
A7.9.6.1 Chaff/Flare Dispensers								-	-	-	-
A7.9.6.2 Infrared Transmitters								-	-	-	-
A7.9.7 Remove/Install Subassemblies											
A7.9.7.1 Chaff/Flare Dispensers								-	-	-	-
A7.9.7.2 Infrared Transmitters TR: TM 11-5865-200-30 & P								-	-	-	-
A7.9.7.3 Missile Warning System								-	-	-	-
A7.9.8 Repair Subassemblies											
A7.9.8.1 Chaff/Flare Dispensers								-	-	-	-
A7.9.8.2 Infrared Transmitters								-	-	-	-
A7.9.8.3 Adjust Infrared Transmitters								-	-	-	-
A7.10 REPROGRAM SUPPORT EQUIPMENT											
A7.10.1 Access and download software/files from the BBS		*						-	-	-	-
A7.10.2 Configure software		*						-	-	-	-
A7.11 Radar Signal Test Adapter MX-9848A/APR-39 (V) TR: TM 11-6940-213-12, TM 11-6940-213-30-1											
A7.11.1 Understand Theory Of Operation								-	-	-	-
A7.11.2 Power Distribution								-	-	-	-
A7.11.3 Troubleshooting								-	-	-	-
A7.11.4 Repair								-	-	-	-
A7.12 Radar Signal Simulator SM-674A/UPM TR: TM 11-9640-2132-12, TM 11-6940-213-30-1											
A7.12.1 Understand Theory of Operation								-	-	-	-
A7.12.2 Troubleshooting								-	-	-	-
A7.12.3 Maintenance Test Procedures								-	-	-	-
A7.12.4 Repair								-	-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 8											
NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.											
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.											
A8.1 E-3 ON-EQUIPMENT MAINTENANCE TR: 1E-3A-2-1-1											
A8.1.1 Apply external power								-	-	-	-
A8.1.2 SDU-34 cooling air monitor alarm operation	*							-	-	-	-
A8.1.3 Ensure aircraft safe for maintenance								-	-	-	-
A8.1.4 Apply Hydraulic Power								-	-	-	-
A8.1.5 Operate Flaps								-	-	-	-
A8.2 HAVE SIREN INFRARED SELF-DEFENSE SYSTEM (QRC 81-101) TR: 1E-3A-2-99-1, 1E-3A-2-99-1-1											
A8.2.1 Theory of operation								-	A	-	-
A8.2.2 Operational check transmitter	*							-	-	-	-
A8.2.3 System activation check	*							-	-	-	-
A8.2.4 Troubleshoot system	*							-	-	-	-
A8.2.5 Perform system adjustments	*							-	-	-	-
A8.2.6 Remove and Install	*										
A8.2.6.1 Operator Control Unit (OCU)	*							-	-	-	-
A8.2.6.2 Transmitter Unit (TU)	*							-	-	-	-
A8.2.6.3 Electronic Control Unit (ECU)	*							-	-	-	-
A8.3 ELECTRONIC SUPPORT MEASURES (AN/AYR-2) TR: 1E-3A-2-93-3, 1E-3A-43-1-1											
A8.3.1 Theory of operation								-	A	-	-
A8.3.2 Operational check/Initiate LRUD (Line replaceable unit diagnostics)	*							-	-	-	-
A8.3.3 Inspect antenna RF Processor (ARFP) radome		*						-	-	-	-
A8.3.4 Troubleshoot System											
A8.3.4.1 Identify LRUD display codes	*							-	-	-	-
A8.3.4.2 Operate Keyboard Debugger (KBD)	*							-	-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.3.4.3 Download operation control program (OCP/AOCP)	*							-	-	-	-
A8.3.5 Load System EEPROMS											
A8.3.5.1 Interface Unit (IU)	*							-	-	-	-
A8.3.5.2 Computer Processor (CP)	*							-	-	-	-
A8.3.5.3 Airframe ROM (AFROM)	*							-	-	-	-
A8.3.6 Remove and Install											
A8.3.6.1 Antenna R.F. Processor (ARFP)	*							-	-	-	-
A8.3.6.2 Intermediate frequency switch (IFS)	*							-	-	-	-
A8.3.6.3 Intermediate frequency processor (IFP)	*							-	-	-	-
A8.3.6.4 Frequency synthesizer (FS)	*							-	-	-	-
A8.3.6.5 Local oscillator distribution unit (LODU)	*							-	-	-	-
A8.3.6.6 Interface unit (IU)	*							-	-	-	-
A8.3.6.7 Computer processor (CP)	*							-	-	-	-
A8.3.6.8 System power supply (SPS)	*							-	-	-	-
A8.3.6.9 AC/DC converter	*							-	-	-	-
A8.3.6.10 Battery	*							-	-	-	-
A8.3.6.11 Airframe ROM (AFROM)								-	-	-	-
A8.3.6.12 Control unit								-	-	-	-

EC-130H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 9											
NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.											
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.											
A9.1 GENERAL MAINTENANCE TR: Applicable EC-130H Technical Data											
A9.1.1 Practice safety when working with RF equipment	*							-	-	-	-
A9.1.2 Document and review entries in aircraft forms	*							-	-	-	-
A9.1.3 Apply and remove power thru front end receptacle	*							-	-	-	-
A9.1.4 Apply and remove power thru special systems receptacle	*							-	-	-	-
A9.1.5 Operate special systems air conditioner	*							-	-	-	-
A9.1.6 Perform special systems initialization and shut down procedures	*							-	-	-	-
A9.1.7 Perform level 1 and level 2 bits	*							-	-	-	-
A9.1.8 Inspect and clean fiber optic cables and connectors								-	-	-	-
A9.1.9 Remove and install chassis mounted units	*							-	-	-	-
A9.1.10 Remove and install rack mounted units	*							-	-	-	-
A9.1.11 Remove and install low and mid band transmitter power supplies	*							-	-	-	-
A9.1.12 Apply Hydraulic Power								-	-	-	-
A9.1.13 Operate Flaps								-	-	-	-
A9.2 SPECIAL SYSTEMS ANTENNAS TR: Applicable EC-130H Technical Data											
A9.2.1 Identify and locate all major components	*							-	-	-	-
A9.2.2 Perform operational checkout and troubleshoot								-	-	-	-
A9.2.3 Remove and Install TR: Applicable EC-130H Technical Data											
A9.2.3.1 Low band transmit antenna outer elements upper quadrant								-	-	-	-
A9.2.3.2 Low band transmit antenna outer elements lower quadrant								-	-	-	-
A9.2.3.3 Horizontal stabilizer leading edge								-	-	-	-

EC-130H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.2.3.4 Low band transmit antenna inner elements								-	-	-	-
A9.2.3.5 Low band transmit antenna coax feeder cable								-	-	-	-
A9.2.3.6 Low band transmit antenna transformer								-	-	-	-
A9.2.3.7 Low band transmit antenna feedboom								-	-	-	-
A9.2.3.8 Low band receive antennas								-	-	-	-
A9.2.3.9 Low band receive antenna filters and splitters								-	-	-	-
A9.2.3.10 Mid band receive antennas								-	-	-	-
A9.2.3.11 Mid band transmit antenna radome only								-	-	-	-
A9.2.3.12 Mid band transmit antennas								-	-	-	-
A9.2.3.13 Mid band transmit antenna assembly								-	-	-	-
A9.2.3.14 High band HB (HB1/HB2) receive nose radome antennas								-	-	-	-
A9.2.3.15 High band system HB1 transmit antennas								-	-	-	-
A9.2.3.16 High band system HB1 transmit power dividers								-	-	-	-
A9.2.3.17 High band system HB2 transmit log periodic antennas								-	-	-	-
A9.2.3.18 High band system B2 transmit sectoral horn antennas								-	-	-	-
A9.2.3.19 High band system HB3 transmit antennas								-	-	-	-
A9.2.3.20 High band system HB3 transmit power dividers								-	-	-	-
A9.2.3.21 High band system receive nose radome antennas								-	-	-	-
A9.2.3.22 High band system receive wingtip antennas								-	-	-	-
A9.2.3.23 SILO DF system antennas								-	-	-	-
A9.2.3.24 TIBS antenna								-	-	-	-
A9.2.3.25 Tech station antenna								-	-	-	-
A9.2.4 Identify and locate RF transmission lines								-	-	-	-
A9.3 RF DISTRIBUTION SUBSYSTEM (RFD) TR: Applicable EC-130H Technical Data											
A9.3.1 Theory of operation								-	-	-	-
A9.3.2 Perform operational checkout and troubleshoot								-	-	-	-

EC-130H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.3.3 Inspect, clean, remove replace and repair coaxial cables								-	-	-	-
A9.4 TECHNICIAN STATION SUBSYSTEM TR: Applicable EC-130H Technical Data											
A9.4.1 Theory of operation								-	-	-	-
A9.4.2 Identify and locate major components	*							-	-	-	-
A9.4.3 Perform operational checkout and troubleshoot								-	-	-	-
A9.4.4 Perform technician station disk load procedure								-	-	-	-
A9.5 COMPUTER SUBSYSTEM TR: Applicable EC-130H Technical Data											
A9.5.1 Theory of operation								-	-	-	-
A9.5.2 Identify and locate major components	*							-	-	-	-
A9.5.3 Perform operational checkout and troubleshoot								-	-	-	-
A9.5.4 Perform Compass Call software disk load and disk format procedures								-	-	-	-
A9.6 HUMAN-MACHINE INTERFACE (HMI) TR: Applicable EC-130H Technical Data											
A9.6.1 Theory of operation								-	-	-	-
A9.6.2 Identify and locate major components	*							-	-	-	-
A9.6.3 Perform operational checkout and troubleshoot								-	-	-	-
A9.6.4 Removal and Install forcestick and keyboard assemblies								-	-	-	-
A9.7 COMPASS CALL SOFTWARE (CCS) TR: Applicable EC-130H Technical Data											
A9.7.1 Theory of operation major CCS components								-	-	-	-
A9.7.2 Perform basic CCS keyset commands and arguments								-	-	-	-
A9.8 ACQUISITION SUBSYSTEM TR: Applicable EC-130H Technical Data											
A9.8.1 Theory of operation								-	-	-	-
A9.8.2 Identify and locate major components	*							-	-	-	-
A9.8.3 Perform operational checkout and troubleshoot								-	-	-	-
A9.9 ANALYSIS SUBSYSTEM TR: Applicable EC-130H Technical Data											
A9.9.1 Theory of operation								-	-	-	-
A9.9.2 Identify and locate major components	*							-	-	-	-

EC-130H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.9.3 Perform operational checkout and troubleshoot								-	-	-	-
A9.10 EXCITER SUBSYSTEM TR: Applicable EC-130H Technical Data											
A9.10.1 Theory of operation								-	-	-	-
A9.10.2 Identify and locate the major components	*							-	-	-	-
A9.10.3 Perform operational checkout and troubleshoot								-	-	-	-
A9.11 DF/SILO SUBSYSTEM TR: Applicable EC-130H Technical Data											
A9.11.1 Theory of operation								-	-	-	-
A9.11.2 Identify and locate major components	*							-	-	-	-
A9.11.3 Perform operational checkout and troubleshoot								-	-	-	-
A9.12 DATA PROCESSING SYSTEM TR: Applicable EC-130H Technical Data											
A9.12.1 Theory of operation								-	-	-	-
A9.12.2 Identify and locate major components	*							-	-	-	-
A9.12.3 Perform operational checkout and troubleshoot								-	-	-	-
A9.13 LOW BAND POWER AMPLIFIER SUBSYSTEM TR: Applicable EC-130H Technical Data											
A9.13.1 Theory of operation								-	-	-	-
A9.13.2 Identify and locate major components	*							-	-	-	-
A9.13.3 Perform operational checkout								-	-	-	-
A9.13.4 Perform meter alignments								-	-	-	-
A9.13.5 Troubleshoot								-	-	-	-
A9.14 MID BAND POWER AMPLIFIER SUBSYSTEM TR: Applicable EC-130H Technical Data											
A9.14.1 Theory of operation								-	-	-	-
A9.14.2 Identify and locate major components	*							-	-	-	-
A9.14.3 Perform operational checkout								-	-	-	-
A9.14.4 Perform meter alignments								-	-	-	-
A9.14.5 Troubleshoot								-	-	-	-
A9.15 HIGH BAND SUBSYSTEM TR: Applicable EC-130H Technical Data											

EC-130H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.15.1 Theory of operation								-	-	-	-
A9.15.2 Identify and locate major components								-	-	-	-
A9.15.3 Remove and install components								-	-	-	-
A9.15.4 Perform operational checkout and troubleshoot								-	-	-	-
A9.16 HIGH BAND ONE TR: Applicable EC-130H Technical Data											
A9.16.1 Theory of operation								-	-	-	-
A9.16.2 Identify and locate major components	*							-	-	-	-
A9.16.3 Remove and install components								-	-	-	-
A9.16.4 Perform operational checkout and troubleshoot								-	-	-	-
A9.17 HIGH BAND TWO TR: Applicable EC-130H Technical Data											
A9.17.1 Theory of operation								-	-	-	-
A9.17.2 Identify and locate major components	*							-	-	-	-
A9.17.3 Remove and install components								-	-	-	-
A9.17.4 Perform operational checkout and troubleshoot								-	-	-	-
A9.18 HIGH BAND THREE TR: Applicable EC-130H Technical Data											
A9.18.1 Theory of operation								-	-	-	-
A9.18.2 Identify and locate major components	*							-	-	-	-
A9.18.3 Remove and install components								-	-	-	-
A9.18.4 Perform operational checkout and troubleshoot								-	-	-	-
A9.19 TACTICAL INFORMATION BROADCAST SYSTEM TR: Applicable EC-130H Technical Data											
A9.19.1 Theory of operation								-	-	-	-
A9.19.2 Identify and locate major components								-	-	-	-
A9.19.3 Perform operational checkout and troubleshoot								-	-	-	-
A9.20 AIRBORNE TRAINER (ABT) TR: Applicable EC-130H Technical Data											
A9.20.1 Theory of operation								-	-	-	-
A9.20.2 Identify and locate major components								-	-	-	-

EC-130H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.20.3 Perform operational checkout								-	-	-	-
A9.21 MISCELLANEOUS TASKS											
A9.21.1 Perform home station check on special TR: Applicable EC-130H Technical Data								-	-	-	-
A9.21.2 Perform ohms check on special systems transmit TR: Applicable EC-130H Technical Data								-	-	-	-
A9.21.3 Remove and install circuit card assemblies TR: Applicable EC-130H Technical Data								-	-	-	-
A9.21.4 Remove and install equipment racks TR: Applicable EC-130H Technical Data								-	-	-	-
A9.21.5 Perform removal and installation of upper guy rope TR: Applicable EC-130H Technical Data								-	-	-	-
A9.21.6 Rig upper guy rope TR: Applicable EC-130H Technical Data								-	-	-	-
A9.22 MOBILE SUPPORT FACILITY (MSF)											
A9.22.1 Operate/Maintain TR: LTM 3202 and TO 10M1-5-1, 10M1-6-2-11								-	-	-	-
A9.22.2 Theory of operation TR: LTM 3202								-	-	-	-
A9.22.3 Perform enclosure installation/setup procedures TR: TO 10M1-5-3-1 and 10M1-6-2-11								-	-	-	-
A9.22.4 Perform preparation for shipment and storage TR: LTM 3202								-	-	-	-
A9.22.5 Perform power transformer unit startup/shutdown TR: LTM 3202								-	-	-	-
A9.22.6 MSF rack/console Operate/maintain TR: LTM 3200-1								-	-	-	-
A9.22.7 Perform power up/power down sequence TR: LTM 3200-1								-	-	-	-
A9.22.8 Theory of operation MSF rack/console subsystem power distribution TR: LTM 3200-1								-	-	-	-

EC-130H TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A9.22.9 Theory of operation MSF rack/console system interface TR: LTM 3200-1								-	-	-	-
A9.22.10 Perform bootup/shutdown procedures for sun workstation TR: LTM 3200-1								-	-	-	-
A9.22.11 Perform Bootup/shutdown procedures for MSF Software TR: LTM 3200-1								-	-	-	-
A9.22.12 Perform thermal printer paper loading Procedure TR: LTM 3200-1								-	-	-	-
A9.22.13 Troubleshoot power system TR: LTM 3200-1								-	-	-	-
A9.22.14 Perform system checkout procedures TR: LTM 3200-1								-	-	-	-
A9.22.15 Perform LBU fiber optics checkout TR: LTM 3200-1								-	-	-	-
A9.22.16 Remove/replace rack/console equipment/chassis equipment TR: LTM 3200-1								-	-	-	-
A9.22.17 Operate/maintain MSF specific equipment TR: LTM 3205, 3200-1, printer commercial manual								-	-	-	-
A9.22.18 Troubleshoot sun workstation TR: LTM 3205								-	-	-	-
A9.22.19 Perform MSF printer configuration TR: Commerical manual								-	-	-	-
A9.22.20 Remove/replace sun workstation shop replaceable units (SRUs) TR: LTM 3205								-	-	-	-
A9.22.21 Accomplish preventive maintenance inspection TR: LTM 3004WC-1								-	-	-	-

RC-135 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 10											
NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.											
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.											
A10.1 ELECTRONIC SUPPORT MEASURES (ESM)											
A10.1.1 Theory of ESM TR: AFP 51-45								-	B	-	-
A10.2 RC-135 COMMON ESM SYSTEMS											
A10.2.1 RF Distribution Theory TR: ETM-RC-135V/W-2											
A10.2.1.1 Antenna/Preamplifier Specifics								-	-	-	-
A10.2.1.2 Direction Finding (DF) Specifics								-	-	-	-
A10.2.1.3 RFD Switching Operation								-	-	-	-
A10.2.2 Panoramic Receiver Theory TR: ETM-RC-135V/W-2, CS-2010											
A10.2.2.1 Operator Control Equipment Operation								-	A	-	-
A10.2.2.2 Tuner Operation								-	-	-	-
A10.2.2.3 Demodulator Operation								-	-	-	-
A10.2.2.4 Up Conversion Operation								-	-	-	-
A10.2.2.5 Down Conversion Circuits								-	-	-	-
A10.2.2.6 Versa-Net Operation								-	-	-	-
A10.2.3 DF Receiver Theory TR: ETM-RC-135V/W-2, CS-2010											
A10.2.3.1 Antenna and Pedestal Control Operation								-	-	-	-
A10.2.3.2 Switching And Amplification Operation								-	-	-	-
A10.2.4 Signal Distribution Theory TR: ETM-RC-135V/W-2											
A10.2.4.1 Intermediate Frequency (IF) Distribution								-	-	-	-
A10.2.4.2 Video Distribution								-	-	-	-
A10.2.5 Automatic Control Systems Theory TR: ETM-RC-135V/W-2, ES-2000-0925											
A10.2.5.1 Workstation Processor Operation								-	-	-	-
A10.2.5.2 Manual Collection Processor Operation								-	-	-	-
A10.2.5.3 Maintenance Processor/VXI Operation								-	-	-	-
A10.2.5.4 Hardware Control Processor Operation								-	-	-	-

RC-135 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A10.2.5.5 LAN Connection and Operation								-	-	-	-
A10.2.6 Pulse Analysis Theory TR: ETM-RC-135V/W-2, SCC/RDU-2760											
A10.2.6.1 Characteristics of IF Pulse Analysis								-	-	-	-
A10.2.6.2 Characteristics of Video Pulse Analysis								-	-	-	-
A10.2.6.3 Pulse Analyzer Operation								-	-	-	-
A10.2.7 Signal Recording Theory TR: ETM-RC-135V/W-2											
A10.2.7.1 Video Multiplexing/Tape Recording								-	-	-	-
A10.2.7.2 IF Converting/Tape Recording								-	-	-	-
A10.2.7.3 Digitized IF Recording								-	-	-	-
A10.2.8 Troubleshoot TR: ETM-RC-135V/W-2, CS-2010, SCC/RDU-2760, ES-2000-0925-X											
A10.2.8.1 Panoramic Receiver	*							-	-	-	-
A10.2.8.2 Pulse Analyzer System	*							-	-	-	-
A10.3 RC-135V/W RIVET JOINT BASE LINE 6 COMPLETE											
A10.3.1 General Aircraft Knowledge TR: ETM-RC-135V/W-2, ES-2000-0925-X											
A10.3.1.1 Identify Equipment Locations	*							-	-	-	-
A10.3.1.2 RF Distribution								-	-	-	-
A10.3.1.3 IF Distribution								-	-	-	-
A10.3.1.4 Video Distribution								-	-	-	-
A10.3.1.5 Reference Signal Distribution/Blanking								-	-	-	-
A10.3.1.6 Control/Data Distribution								-	-	-	-
A10.3.2 Perform Operational Checkouts TR: 55LG-ES2000-LCL-1											
A10.3.2.1 Condor Hawk Receiver	*							-	-	-	-
A10.3.2.2 IF/Video Systems	*							-	-	-	-
A10.3.2.3 Pulse Analyzer System	*							-	-	-	-
A10.3.2.4 IF / Video Recording System	*							-	-	-	-
A10.3.2.5 IF Digitizer System	*							-	-	-	-
A10.3.2.6 Blanking System	*							-	-	-	-
A10.3.2.7 MCP Interface System	*							-	-	-	-

RC-135 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A10.3.3 Perform Miscellaneous Maintenance Activities TR: 55LG-ES2000-LCL-1											
A10.3.3.1 Align RSDA	*							-	-	-	-
A10.3.3.2 Maintenance Signal Inject Procedures		*						-	-	-	-
A10.3.3.3 MCP Format/Copy Procedures		*						-	-	-	-
A10.3.4 Troubleshoot TR: ETM-RC-135V/W-2, ES-2000-0925-X											
A10.3.4.1 RF Distribution		*						-	-	-	-
A10.3.4.2 IF Distribution		*						-	-	-	-
A10.3.4.3 Video Distribution		*						-	-	-	-
A10.3.4.4 IF Converting/Multiplexing Recording System		*						-	-	-	-
A10.3.4.5 Digitizer		*						-	-	-	-
A10.3.4.6 OTP/Workstation Interface		*						-	-	-	-
A10.4 RC-135V/W RIVET JOINT BASE LINE 6 COMPLETE PLUS DIFFERENCES											
A10.4.1 General Aircraft Knowledge TR: ETM-RC-135V/W-2, ES-2000-0925-X											
A10.4.1.1 LAN System								-	-	-	-
A10.4.1.2 Maintenance System								-	-	-	-
A10.4.2 Perform Operational Checkouts TR: 55LG-ES2000-LCL-2											
A10.4.2.1 Power-On Procedures	*							-	-	-	-
A10.4.2.2 Maintenance Procedures	*							-	-	-	-
A10.4.3 Troubleshoot TR: ETM-RC-135V/W-2, ES-2000-0925-X											
A10.4.3.1 LAN System		*						-	-	-	-
A10.4.3.2 VXI/Maintenance Inject Troubleshooting		*						-	-	-	-
A10.5 RC-135U COMBAT SENT AIRCRAFT											
A10.5.1 General Aircraft Knowledge TR: ETM-RC-135U -2, ES-2001-0925-X											
A10.5.1.1 Identify Equipment Locations								-	-	-	-
A10.5.1.2 RF Distribution								-	-	-	-
A10.5.1.3 IF Distribution								-	-	-	-
A10.5.1.4 Video Distribution								-	-	-	-

RC-135 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A10.5.1.5 Reference Signal Distribution/Blanking								-	-	-	-
A10.5.1.6 DPS Equipment								-	-	-	-
A10.5.1.7 EMCS System								-	-	-	-
A10.5.1.8 IF/Video Matrix								-	-	-	-
A10.5.2 Perform Operational Checkouts TR: 55LGETM-RC135U-2A(1)LCL-1											
A10.5.2.1 Power Application and Bootup								-	-	-	-
A10.5.2.2 Condor Hawk Receiver								-	-	-	-
A10.5.2.3 IF / Video Recording System								-	-	-	-
A10.5.2.4 Pulse Analyzing System								-	-	-	-
A10.5.2.5 DPS								-	-	-	-
A10.5.2.6 IMS RFD								-	-	-	-
A10.5.3 Perform Miscellaneous Maintenance Activities TR: 55LGETM-RC135U-2A(1)LCL-1											
A10.5.3.1 IMS Manual Test Inject Signal Procedures								-	-	-	-
A10.5.3.2 Align IF Amp								-	-	-	-
A10.5.3.3 Set Automated Equipment Addresses								-	-	-	-
A10.5.3.4 Align VCU								-	-	-	-
A10.5.3.5 Receiver Download Procedures								-	-	-	-
A10.5.3.6 DAT Transfer Procedures								-	-	-	-
A10.5.4 Troubleshoot TR: ETM-RC-135U -2, ES-2001-0925-X											
A10.5.4.1 RF Distribution								-	-	-	-
A10.5.4.2 IF Distribution								-	-	-	-
A10.5.4.3 Video Distribution								-	-	-	-
A10.5.4.4 DPS Equipment								-	-	-	-
A10.5.4.5 EMCS								-	-	-	-
A10.5.4.6 IF Converting/Multiplexing Recording System								-	-	-	-
A10.6 AUTOMATIC ELINT EMITTER LOCATION SYSTEM (AEELS)											
A10.6.1 General Aircraft Knowledge TR: ETM-RC-135V/W -2, ES-2000-0925-X											
A10.6.1.1 Identify Equipment Locations								-	-	-	-
A10.6.1.2 SIP/SRP Processing								-	-	-	-

RC-135 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A10.6.1.3 Automatic Direction Of Arrival System II (ADOAS II) TR: ETM-RC-135V/W -2, ES-2000-0925-X											
A10.6.1.3.1 Power Distribution								-	-	-	-
A10.6.1.3.2 RF Distribution								-	-	-	-
A10.6.1.3.3 IF Distribution								-	-	-	-
A10.6.1.3.4 NIPA/WAPA								-	-	-	-
A10.6.1.3.5 Power Supply								-	-	-	-
A10.6.1.3.6 RFC/IFC								-	-	-	-
A10.6.1.3.7 PMA								-	-	-	-
A10.6.1.3.8 Deinterleaver								-	-	-	-
A10.6.1.3.9 DCA-1750								-	-	-	-
A10.6.1.4 SIP/SRP ADOAS II Interface								-	-	-	-
A10.6.2 Perform Operational Checkouts TR: ES-2000-0925-X											
A10.6.2.1 AEELS								-	-	-	-
A10.6.2.2 ADOAS II								-	-	-	-
A10.6.3 Perform Miscellaneous Maintenance Activities TR: ES-2000-0925-X											
A10.6.3.1 Use Raven / Maintenance Stations								-	-	-	-
A10.6.3.2 Update Aircraft System Tables								-	-	-	-
A10.6.4 System Trouble Shooting TR: ETM-RC-135V/W-2, ES-2000-0925-X											
A10.6.4.1 SIP/SRP								-	-	-	-
A10.6.4.2 ADOAS II								-	-	-	-
A10.6.4.3 SIP/SRP/ADOAS II Interconnections								-	-	-	-
A10.7 10-HIGH IR COUNTERMEASURES SYSTEM TR: ETM-RC135V/W-2											
A10.7.1 Identify Equipment Locations	*							-	-	-	-
A10.7.2 Theory of Operation								-	A	-	-
A10.7.3 Perform Operational Checkout	*							-	-	-	-
A10.7.4 Troubleshoot	*							-	-	-	-
A10.8 USH-34 BATTLE STATION RECORDER TR: ETM-RC-135V/W-2											

RC-135 TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A10.8.1 Theory of Operation								-	-	-	-
A10.8.2 Perform Operational Checkout	*							-	-	-	-
A10.8.3 Perform Alignment Procedures	*							-	-	-	-
A10.8.4 Troubleshoot	*							-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 11											
NOTE 1: All course requirements are trained in the 3 level wartime course. The 7 level in-residence course will not be taught in wartime.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.											
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.											
A11.1 AC-130H ON-EQUIPMENT MAINTENANCE											
A11.1.1 Ensure Aircraft is safe for Maintenance TR: TO 1C-130(A)H-2-05JG-00-1, 1C-130(A)H-2-00GE-00-1	*							-	-	-	-
A11.1.2 Apply/remove external electrical power TR: TO 1C-130(A)H-2-05JG-00-1	*							-	-	-	-
A11.1.3 AN/ALR-69 Radar Warning Receiver TR: TO 1C-130(A)H-2-99JG-10-2, 1C-130(A)H-2-99FI-10-1, 1C-130(A)H-2-16											
A11.1.3.1 Remove & Install Components								-	-	-	-
A11.1.3.2 Perform Operational Check	*							-	-	-	-
A11.1.3.3 Troubleshoot System								-	-	-	-
A11.1.3.4 Reprogram System	*							-	-	-	-
A11.1.3.5 Perform USM-464 360 Day End-to-End Check TR: 12P3-2ALR69-188-1								-	-	-	-
A11.1.4 AN/ALE-40 Countermeasures Dispensing Set TR: TO 1C-130(A)H-2-99JG-30-1-1, 30-1-2, 1C- 130(A)H-2-99FI-30-1, 1C-130(A)H-2-16											
A11.1.4.1 Remove & Install Components								-	-	-	-
A11.1.4.2 Perform Operational Check	*							-	-	-	-
A11.1.4.3 Troubleshoot System								-	-	-	-
A11.1.5 AN/AAR-44A Infrared Warning Receiver TR: TO 1C-130(A)H-2-99JG-10-3, 1C-130(A)H-2-99FI-10-1, 1C-130(A)H-2-16											
A11.1.5.1 Remove & Install Components	*							-	-	-	-
A11.1.5.2 Perform Operational Check	*							-	-	-	-
A11.1.5.3 Troubleshoot System								-	-	-	-
A11.1.5.4 Reprogram System								-	-	-	-
A11.1.5.5 Perform ALE-40 Interface check								-	-	-	-
A11.1.5.6 Perform Purge/Fill								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.1.6 AN/APR-46 Panoramic Receiver System TR: TO 1C-130(A)H-2-99JG-10-4, 1C-130(A)H-2-99FI-10-1, 1C-130(A)H-2-16											
A11.1.6.1 Remove & Install Components	*							-	-	-	-
A11.1.6.2 Perform Operational Check	*							-	-	-	-
A11.1.6.3 Troubleshoot System								-	-	-	-
A11.1.6.4 Perform 360 Day Receiver Sensitivity Test								-	-	-	-
A11.1.7 AN/ALQ-172 (V)3 Countermeasures System TR: TO 1C-130(A)H-2-99JG-20-2-1, 1C-130(A)H-2-99JG-20-2-2, 1C-130(A)H-2-99JG-20-2-3, 1C-130(A)H-2-99FI-20-1, 1C-130(A)H-2-16											
A11.1.7.1 Remove & Install Components								-	-	-	-
A11.1.7.2 Perform Operational Check	*							-	-	-	-
A11.1.7.3 Troubleshoot System								-	-	-	-
A11.1.7.4 Reprogram System	*							-	-	-	-
A11.1.7.5 Perform Waveguide Pressurization Check								-	-	-	-
A11.1.7.6 Perform USM-464 360 Day End-to-End Check								-	-	-	-
A11.1.8 QRC 84-02A IR Countermeasures Pod System TR: TO 1C-130(A)H-2-99JG-20-1, 1C-130(A)H-2-99FI-20-1, 1C-130(A)H-2-16											
A11.1.8.1 Remove & Install Components	*							-	-	-	-
A11.1.8.2 Perform Operational Check	*							-	-	-	-
A11.1.8.3 Troubleshoot System								-	-	-	-
A11.1.8.4 Perform Pressure Test/Fill								-	-	-	-
A11.1.9 QRC 84-05 Receiver System TR: TO 1C-130(A)H-2-99JG-10-5, 1C-30(A)H-2-99FI-10-1, 1C-130(A)H-2-16											
A11.1.9.1 Remove & Install Components								-	-	-	-
A11.1.9.2 Perform Operational Check								-	-	-	-
A11.1.9.3 Troubleshoot system								-	-	-	-
A11.1.10 Directional Infrared Countermeasures System (DIRCM) TR: TO 1C-130(A)H-2-99JG-10-7, 1C-130(A)H-2-99FI-10-1, 1C-130(A)H-2-16											

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.1.10.1 Remove & Install Components								-	-	-	-
A11.1.10.2 Perform Operational Check								-	-	-	-
A11.1.10.3 Troubleshoot System								-	-	-	-
A11.1.10.4 Reprogram System								-	-	-	-
A11.1.10.5 Perform Transmitter Preventive Maintenance								-	-	-	-
A11.2 AC-130U ON-EQUIPMENT MAINTENANCE											
A11.2.1 Ensure Aircraft is safe for Maintenance TR: TO 1C-130(A)U-2-2	*							-	-	-	-
A11.2.2 Apply/remove external electrical power TR: TO 1C-130(A)H-2-05JG-00-1	*							-	-	-	-
A11.2.3 Apply/Remove Air Conditioning TR: TO 1C-130(A)U-2-05JG-00-1								-	-	-	-
A11.2.4 AN/ALR-69 Radar Warning Receiver TR: TO 1C-130(A)U-2-93JG-10-3, 1C-130(A)U-2-93FI-10-3, 1C-130(A)U-2-16											
A11.2.4.1 Remove & Install Components								-	-	-	-
A11.2.4.2 Perform Operational Check	*							-	-	-	-
A11.2.4.3 Troubleshoot System								-	-	-	-
A11.2.4.4 Reprogram System	*							-	-	-	-
A11.2.4.5 Perform USM-464 360 Day End-to-End Check TR: 1C-130(A)U-2-16 or 12P3-2ALR-69-188-1								-	-	-	-
A11.2.5 AN/ALE-40 Countermeasures Dispensing Set TR: TO 1C-130(A)U-2-93JG-20-1, 1C-130(A)U-2-93JG-20-2, 1C-130(A)U-2-93FI-20-1, 1C-130(A)U-2-16											
A11.2.5.1 Remove & Install Components								-	-	-	-
A11.2.5.2 Perform Operational Check	*							-	-	-	-
A11.2.5.3 Troubleshoot System								-	-	-	-
A11.2.6 AN/AAR-44A Infrared Warning Receiver TR: TO 1C-130(A)U-2-93JG-10-2, 1C-130(A)U-2-93FI-10-2, 1C-130(A)U-2-16											
A11.2.6.1 Remove & Install Components	*							-	-	-	-
A11.2.6.2 Perform Operational Check	*							-	-	-	-
A11.2.6.3 Troubleshoot System								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.2.6.4 Reprogram System								-	-	-	-
A11.2.6.5 Perform ALE-40 Interface check								-	-	-	-
A11.2.6.6 Perform Purge/Fill								-	-	-	-
A11.2.7 AN/APR-46 Panoramic Receiver System TR: TO 1C-130(A)U-2-93JG-30-1, 1C-130(A)U-2-93FI-30-1, 1C-130(A)U-2-16											
A11.2.7.1 Remove & Install Components	*							-	-	-	-
A11.2.7.2 Perform Operational Check	*							-	-	-	-
A11.2.7.3 Troubleshoot System								-	-	-	-
A11.2.7.4 Perform 360 Day Receiver Sensitivity Test								-	-	-	-
A11.2.8 AN/ALQ-172 (V)1 Countermeasures System TR: TO 1C-130(A)U-2-93JG-10-4, 1C-130(A)U-2-93JG-10-5, 1C-130(A)U-2-93FI-10-4, 1C-130(A)U-2-93FI-10-5, 1C-130(A)U-2-16											
A11.2.8.1 Theory of operation								-	B	-	-
A11.2.8.2 Remove & Install Components								-	-	-	-
A11.2.8.3 Perform Operational Check	*							-	-	-	-
A11.2.8.4 Troubleshoot System								-	-	-	-
A11.2.8.5 Reprogram System	*							-	-	-	-
A11.2.8.6 Perform Waveguide Pressurization Check								-	-	-	-
A11.2.8.7 Perform USM-464 360 Day End-to-End Check								-	-	-	-
A11.2.9 QRC 84-02A IR Countermeasures Pod System TR: TO 1C-130(A)U-2-93JG-10-2, 1C-130(A)U-2-93FI-10-2 & 1C-130(A)U-2-16											
A11.2.9.1 Remove & Install Components	*							-	-	-	-
A11.2.9.2 Perform Operational Check	*							-	-	-	-
A11.2.9.3 Troubleshoot System								-	-	-	-
A11.2.9.4 Perform Pressure Test/Fill								-	-	-	-
A11.2.10 Directional Infrared Countermeasures System (DIRCM) TR: TO 1C-130(A)U-2-93JG-10-7, 1C-130(A)U-2-93FI-10-7, 1C-130(A)U-2-16											
A11.2.10.1 Remove & Install Components								-	-	-	-
A11.2.10.2 Perform Operational Check								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.2.10.3 Troubleshoot System								-	-	-	-
A11.2.10.4 Reprogram System								-	-	-	-
A11.2.10.5 Perform Transmitter Preventive Maintenance								-	-	-	-
A11.3 MC-130E ON-EQUIPMENT MAINTENANCE											
A11.3.1 Ensure Aircraft is Safe for Maintenance TR: TO 1C-130(M)H-2-05JG-00-1, 1C-130(M)H-2-00GE-00-1	*							-	-	-	-
A11.3.2 Apply/remove external electrical power TR: TO 1C-130(M)H-2-05JG-00-1	*							-	-	-	-
A11.3.3 AN/ALR-69 RWR TR: TO 1C-130(M)E-2-99JG-10-2, 1C-130(M)E-2-99FI-10-1, 1C-130(M)E-2-99GS-00-1, 1C-130(M)E-2-14											
A11.3.3.1 Theory of Operation								B	B	-	-
A11.3.3.2 Perform Operational Check	*							2b	-	-	-
A11.3.3.3 Troubleshoot System								-	-	-	-
A11.3.3.4 Reprogram System	*							2b	-	-	-
A11.3.3.5 Perform USM-464 360 Day End-to-End Check TR: 12P3-ALR69-188-1								-	-	-	-
A11.3.3.6 Remove and Install components											
A11.3.3.6.1 E/J Band Pre-Amplifiers								-	-	-	-
A11.3.3.6.2 C/D Band Amplifier								-	-	-	-
A11.3.3.6.3 FSRs Receiver								-	-	-	-
A11.3.3.6.4 FSRs Receiver Controller								-	-	-	-
A11.3.3.6.5 Processor	*							2b	-	-	-
A11.3.3.6.6 Threat Display Unit								-	-	-	-
A11.3.3.6.7 Azimuth Indicator								-	-	-	-
A11.3.3.6.8 Antenna Switch								-	-	-	-
A11.3.3.6.9 System antennas								-	-	-	-
A11.3.4 AN/ALE-40 Countermeasures Dispensing Set TR: TO 1C-130(M)E-2-99JG-30-1, 1C-130(M)E-2-99FI-30-1, 1C-130(M)E-2-99GS-00-1 1C-130(M)E-2-14											

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.3.4.1 Theory of Operation								-	-	-	-
A11.3.4.2 Remove & Install Components								-	-	-	-
A11.3.4.3 Perform Operational Check	*							-	-	-	-
A11.3.4.4 Troubleshoot System								-	-	-	-
A11.3.5 AN/AAR-44A Infrared Warning Receiver (IRWR) TR: TO 1C-130(M)E-2-99JG-10-3, 1C-130(M)E-2-99FI-10-1, 1C-130(M)E-2-99GS-00-1 1C-130(M)E-2-14											
A11.3.5.1 Theory of operation								-	-	-	-
A11.3.5.2 Remove & Install Components	*							-	-	-	-
A11.3.5.3 Perform Operational Check	*							-	-	-	-
A11.3.5.4 Troubleshoot System								-	-	-	-
A11.3.5.5 Reprogram System								-	-	-	-
A11.3.5.6 Perform AN/ALE-40 Interface test								-	-	-	-
A11.3.5.7 Perform Purge/Fill								-	-	-	-
A11.3.6 AN/APR-46 Receiver TR: TO 1C-130(M)E-2-99JG-10-4, 1C-130(M)E-2-99FI-10-1, 1C-130(M)E-2-99GS-00-1 1C-130(M)E-2-14											
A11.3.6.1 Theory of operation								-	-	-	-
A11.3.6.2 Remove & Install Components	*							-	-	-	-
A11.3.6.3 Perform Operational Check	*							-	-	-	-
A11.3.6.4 Troubleshoot System								-	-	-	-
A11.3.6.5 Perform 360 Day Receiver Sensitivity Test								-	-	-	-
A11.3.7 AN/ALQ-172(V)1 Automatic Systems TR: TO 1C-130(M)E-2-99JG-20-2-1, 1C-130(M)E-2-99JG-20-2-2, 1C-130(M)E-2-99FI-20-1, 1C-130(M)E-2-99GS-00-1 1C-130(M)E-2-14											
A11.3.7.1 Theory of operation								-	B	-	-
A11.3.7.2 Remove & Install Components								-	-	-	-
A11.3.7.3 Perform Operational Check	*							-	-	-	-
A11.3.7.4 Troubleshoot System								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.3.7.5 Reprogram System	*							-	-	-	-
A11.3.8 AN/ALQ-172(V)1 System testing using the AN/USM-464 test set TR: TO 1C-130(M)E-2-14											
A11.3.8.1 Perform TPS Interface procedures								-	-	-	-
A11.3.8.2 Perform Antenna Sweep test								-	-	-	-
A11.3.8.3 Perform Go-Chain Performance test								-	-	-	-
A11.3.8.4 Perform Selective Go-Chain testing								-	-	-	-
A11.3.8.5 Troubleshoot System								-	-	-	-
A11.3.9 QRC 84-02 Infrared Transmitter System TR: TO 1C-130(M)E-2-99JG-20-1, 1C-130(M)E-2-99FI-20-1, 1C-130(M)E-2-99GS-00-1 1C-130(M)E-2-14											
A11.3.9.1 Theory of operation								-	-	-	-
A11.3.9.2 Remove & Install Components	*							-	-	-	-
A11.3.9.3 Perform Operational Check	*							-	-	-	-
A11.3.9.4 Troubleshoot System								-	-	-	-
A11.3.9.5 Perform pressure check/fill								-	-	-	-
A11.3.10 QRC 84-05 Radar Warning Receiver TR: TO 1C-130(M)E-2-99JG-10-5, 1C-130(M)E-2-99FI-10-1, 1C-130(M)E-2-99GS-00-1 1C-130(M)E-2-14											
A11.3.10.1 Theory of operation								-	-	-	-
A11.3.10.2 Remove & Install Components								-	-	-	-
A11.3.10.3 Perform Operational Check								-	-	-	-
A11.3.10.4 Troubleshoot System								-	-	-	-
A11.3.11 AN/ALQ-196 Automatic System TR: TO 1C-130(M)E-2-99JG-20-3, 1C-130(M)E-2-99FI-20-1, 1C-130(M)E-2-99GS-00-1 1C-130(M)E-2-14											
A11.3.11.1 Theory of operation								-	-	-	-
A11.3.11.2 Remove & Install Components								-	-	-	-
A11.3.11.3 Perform Operational Check								-	-	-	-
A11.3.11.4 Troubleshoot System								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.3.12 AN/ALQ-196 System testing using AN/USM-464 TR: TO 1C-130(M)E-2-14											
A11.3.12.1 Perform Go-Chain Performance testing								-	-	-	-
A11.3.12.2 Perform Selective Go-Chain testing								-	-	-	-
A11.3.12.3 Perform DOA testing								-	-	-	-
A11.3.12.4 Perform Antenna Coupler Normalization								-	-	-	-
A11.3.13 Nitrogen Pressurization Systems, ALQ-172 and ALQ-196 TR: TO 1C-130(M)E-2-99JG-20-2-1, 1C-130(M)E-99JG-20-2-2, 1C-130(M)E-2-99JG-20-3, 1C-130(M)E-2-99FI-20-1, 1C-130(M)E-2-99GS-00-1 1C—130(M)E-2-03											
A11.3.13.1 Theory of operation								-	-	-	-
A11.3.13.2 Remove & Install Components								-	-	-	-
A11.3.13.3 Perform Operational Check	*							-	-	-	-
A11.3.13.4 Troubleshoot System								-	-	-	-
A11.3.14 Directional Infrared Countermeasures System (DIRCM) TR: TO 1C-130(M)E-2-99JG-20-3, 1C-130(M)E-2-99FI-20-1 1C-130(M)E-2-14											
A11.3.14.1 Remove & Install Components								-	-	-	-
A11.3.14.2 Perform Operational Check								-	-	-	-
A11.3.14.3 Troubleshoot System								-	-	-	-
A11.3.14.4 Perform Reprogramming Procedures								-	-	-	-
A11.3.14.5 Perform Transmitter Preventive Maintenance								-	-	-	-
A11.4 MC-130H ON-EQUIPMENT MAINTENANCE											
A11.4.1 Ensure Aircraft is safe for maintenance TR: TO 1C-130(M)H-2-05JG-00-1 1C-130(M)H-2-00GE-00-1	*							-	-	-	-
A11.4.2 Apply/remove external electrical power TR: TO 1C-130H-2-05JG-00-1	*							-	-	-	-
A11.4.3 Apply/Remove Air Conditioning TR: TO 1C-130H-2-05JG-00-1								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.4.4 AN/ALR-69 Radar Warning Receiver TR: TO 1C-130(M)H-2-99JG-10-2, 1C-130(M)H-2-99FI-10-1 1C-130(M)H-2-14											
A11.4.4.1 Remove & Install Components								-	-	-	-
A11.4.4.2 Perform Operational Check	*							-	-	-	-
A11.4.4.3 Troubleshoot System								-	-	-	-
A11.4.4.4 Reprogram System	*							-	-	-	-
A11.4.4.5 Perform USM-464 360 Day End-to-End Check TR: 12P3-2ALR69-188-1								-	-	-	-
A11.4.5 AN/ALE-40 Countermeasures Dispensing Set TR: TO 1C-130(M)H-2-99JG-30-1, 1C-130(M)H-2-99FI-30-1 1C-130(M)H-2-14											
A11.4.5.1 Remove & Install Components								-	-	-	-
A11.4.5.2 Perform Operational Check	*							-	-	-	-
A11.4.5.3 Troubleshoot System								-	-	-	-
A11.4.6 AN/AAR-44A Infrared Warning Receiver TR: TO 1C-130(M)H-2-99JG-10-3, 1C-130(M)H-2-99FI-10-1 1C130(M)H-2-14											
A11.4.6.1 Remove & Install Components	*							-	-	-	-
A11.4.6.2 Perform Operational Check	*							-	-	-	-
A11.4.6.3 Troubleshoot System								-	-	-	-
A11.4.6.4 Reprogram System								-	-	-	-
A11.4.6.5 Perform ALE-40 Interface check								-	-	-	-
A11.4.6.6 Perform Purge/Fill								-	-	-	-
A11.4.7 AN/APR-46 Panoramic Receiver System TR: TO 1C-130(M)H-2-99JG-10-4, 1C-130(M)H-2-99FI-10-1 1C-130(M)H-2-14											
A11.4.7.1 Remove & Install Components	*							-	-	-	-
A11.4.7.2 Perform Operational Check	*							-	-	-	-
A11.4.7.3 Troubleshoot System								-	-	-	-
A11.4.7.4 Perform 360 Day Receiver Sensitivity Test								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.4.8 AN/ALQ-172 (V)1 Countermeasures System TR: TO 1C-130(M)H-2-99JG-20-2-1, 1C-130(M)H-2-99JG-20-2-2, 1C-130(M)H-2-99FI-20-1 1C-130(M)H-2-14											
A11.4.8.1 Remove & Install Components								-	-	-	-
A11.4.8.2 Perform Operational Check	*							-	-	-	-
A11.4.8.3 Troubleshoot System								-	-	-	-
A11.4.8.4 Reprogram System	*							-	-	-	-
A11.4.8.5 Perform Waveguide Pressurization Check								-	-	-	-
A11.4.8.6 Perform USM-464 360 Day End-to-End Check								-	-	-	-
A11.4.9 QRC 84-02A IR Countermeasures Pod System TR: TO 1C-130(M)H-2-99JG-20-1, 1C-130(M)H-2-99FI-20-1 1C-130(M)H-2-14											
A11.4.9.1 Remove & Install Components	*							-	-	-	-
A11.4.9.2 Perform Operational Check	*							-	-	-	-
A11.4.9.3 Troubleshoot System								-	-	-	-
A11.4.9.4 Perform Pressure Test/Fill								-	-	-	-
A11.4.10 Directional Infrared Countermeasures System (DIRCM) TR: TO 1C-130(M)H-2-99JG-10-7, 1C-130(M)H-2-99FI-10-1 1C-130(M)H-2-14											
A11.4.10.1 Remove & Install Components								-	-	-	-
A11.4.10.2 Perform Operational Check								-	-	-	-
A11.4.10.3 Troubleshoot System								-	-	-	-
A11.4.10.4 Reprogram System								-	-	-	-
A11.4.10.5 Perform Transmitter Preventive Maintenance								-	-	-	-
A11.5 MC-130P ON-EQUIPMENT MAINTENANCE											
A11.5.1 Ensure Aircraft is safe for maintenance TR: TO 1C-130H-2-05JG-00-1 1C-130H-2-00GE-00-1	*							-	-	-	-
A11.5.2 Apply/remove external electrical power TR: TO 1C-130H-2-05JG-00-1	*							-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.5.3 AN/ALR-69 Radar Warning Receiver TR: TO 1C-130(M)P-2-99JG-10-2, 1C-130(M)P-2-99FI-10-1 1C-130(H)H-2-11											
A11.5.3.1 Remove & Install Components								-	-	-	-
A11.5.3.2 Perform Operational Check	*							-	-	-	-
A11.5.3.3 Troubleshoot System								-	-	-	-
A11.5.3.4 Reprogram System	*							-	-	-	-
A11.5.3.5 Perform USM-639/USM-464 360 Day End- to-End Check TR: TO 12P3-2ALR69-168-1 or 12P3-2ALR-69-188-1								-	-	-	-
A11.5.4 AN/ALE-40 Countermeasures Dispensing Set TR: TO 1C-130(M)P-2-99JG-30-1, 1C-130(M)P-2-99FI-30-1 1C-130(H)H-2-11											
A11.5.4.1 Remove & Install Components								-	-	-	-
A11.5.4.2 Perform Operational Check	*							-	-	-	-
A11.5.4.3 Troubleshoot System								-	-	-	-
A11.5.5 AN/AAR-44A Infrared Warning Receiver TR: TO 1C-130(M)P-2-99JG-10-3, 1C-130(M)P-2-99FI-10-1 1C-130(H)H-2-11											
A11.5.5.1 Remove & Install Components	*							-	-	-	-
A11.5.5.2 Perform Operational Check	*							-	-	-	-
A11.5.5.3 Troubleshoot System								-	-	-	-
A11.5.5.4 Reprogram System								-	-	-	-
A11.5.5.5 Perform ALE-40 Interface check								-	-	-	-
A11.5.5.6 Perform Purge/Fill								-	-	-	-
A11.6 MH-53J/M ON-EQUIPMENT MAINTENANCE											
A11.6.1 Ensure Aircraft is safe for maintenance TR: TO 1H-53(M)J-2-1	*							-	-	-	-
A11.6.2 Apply/remove external electrical power TR: TO 1H-53(M)J-2-1	*							-	-	-	-
A11.6.3 AN/ALR-69 Radar Warning Receiver TR: TO 1H-53(M)J-2-9											
A11.6.3.1 Remove & Install Components								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.6.3.2 Perform Operational Check	*							-	-	-	-
A11.6.3.3 Troubleshoot System								-	-	-	-
A11.6.3.4 Reprogram System	*							-	-	-	-
A11.6.3.5 Perform USM-639 360 Day End-to-End Check TR: TO 12P3-2ALQ69-168-2								-	-	-	-
A11.6.4 AN/ALE-40 Countermeasures Dispensing Set TR: TO 1H-53(M)J-2-9											
A11.6.4.1 Remove & Install Components								-	-	-	-
A11.6.4.2 Perform Operational Check	*							-	-	-	-
A11.6.4.3 Troubleshoot System								-	-	-	-
A11.6.5 AN/ALQ-162 Countermeasures Set TR: TO 1H-53(M)J-2-9											
A11.6.5.1 Remove & Install Components	*							-	-	-	-
A11.6.5.2 Perform Operational Check	*							-	-	-	-
A11.6.5.3 Troubleshoot System								-	-	-	-
A11.6.5.4 Reprogram System								-	-	-	-
A11.6.5.5 Perform USM-639 360 Day End-to-End Check TR: TO 12P3-2ALQ-162-8-2								-	-	-	-
A11.6.6 AN/ALQ-157 Infrared Transmitter System TR: TO 1H-53(M)J-2-9											
A11.6.6.1 Theory of Operation								B	B	-	-
A11.6.6.2 Remove & Install Components	*							-	-	-	-
A11.6.6.3 Perform Operational Check	*							-	-	-	-
A11.6.6.4 Troubleshoot System								-	-	-	-
A11.6.7 AN/AAR-47 Missile Warning System TR: TO 1H-53(M)J-2-9											
A11.6.7.1 Remove & Install Components	*							-	-	-	-
A11.6.7.2 Perform Operational Check	*							-	-	-	-
A11.6.7.3 Troubleshoot System								-	-	-	-
A11.6.7.4 Reprogram System								-	-	-	-
A11.6.7.5 Perform 360 Day System Degradation Check								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.6.8 Integrated Defensive Avionics System/Multi-mission Advanced Tactical Terminal (IDAS/MATT) TR: TO 1H-53(M)J-2-9											
A11.6.8.1 Remove & Install Components								-	-	-	-
A11.6.8.2 Perform Operational Check								-	-	-	-
A11.6.8.3 Troubleshoot System								-	-	-	-
A11.6.8.4 Reprogram System								-	-	-	-
A11.6.9 Perform MH-53 Teardown/Buildup as Team Member TR: Local Checklist								-	-	-	-
A11.7 OFF-EQUIPMENT MAINTENANCE											
A11.7.1 AN/ALR-69 Hot Mockup TR: 12P3-2ALR69-31											
A11.7.1.1 Operate/Test								-	-	-	-
A11.7.1.2 Remove/Install LRUs								-	-	-	-
A11.7.1.3 Reprogram								-	-	-	-
A11.7.2 AN/ALE-40 Hot Mockup TR: TO 33D7-13-77-1											
A11.7.2.1 Operate/Test								-	-	-	-
A11.7.2.2 Remove/Install LRUs								-	-	-	-
A11.7.3 AN/AAR-44A IR Warning Receiver											
A11.7.3.1 Perform Checkout/Repair on Control Display Unit TR: TO 12P6-2AAR44-1								-	-	-	-
A11.7.3.2 Perform Checkout/Repair on Signal Processor Unit TR: TO 12P6-2AAR44-1								-	-	-	-
A11.7.3.3 Perform Checkout/Repair on Sensor Unit TR: TO 12P6-2AAR44-1								-	-	-	-
A11.7.3.4 Operate and Troubleshoot Charge Unit TR: TO 33D2-28-19-1, Para 4-3, 5-3								-	-	-	-
A11.7.3.5 Troubleshoot with Unit Test Set TR: TO 33D7-13-102-1								-	-	-	-
A11.7.4 AN/APR-46 Panoramic Receiver											

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.4.1 Perform LRU pre-installation check TR: TO 12P3-2APR46-2, 12P3-2APR46-2-1								-	-	-	-
A11.7.4.2 Perform Unit Level Test of C-115A TR: TO 12P3-2APR46-2, Para 11.4								-	-	-	-
A11.7.4.3 Perform Unit Level Test of C-125A TR: TO 12P3-2APR46-2, Para 12.4								-	-	-	-
A11.7.4.4 Perform Unit Level Test of C-135 TR: TO 12P3-2APR46-2-1, Para 8.4								-	-	-	-
A11.7.4.5 Perform Unit Level Test/Alignment of TN-118A TR: TO 12P3-2APR46-2, Para 8.4, 8.5								-	-	-	-
A11.7.4.6 Perform Unit Level Test/Alignment of TN-130 TR: TO 12P3-2APR46-2, Para 9.4, 9.5								-	-	-	-
A11.7.4.7 Perform Unit Level Test/Alignment of ES-3 TR: TO 12P3-2APR46-2, Para 7.4, 7.5								-	-	-	-
A11.7.4.8 Perform Unit Level Test/Alignment of MD-127A TR: TO 12P3-2APR46-2, Para 10.4, 10.5								-	-	-	-
A11.7.4.9 Perform Unit Level Test/Alignment of MD-127B TR: TO 12P3-2APR46-2-2, Para 6.4, 6.5								-	-	-	-
A11.7.4.10 Perform Unit Level Test of CP-100 TR: TO 12P3-2APR46-2-1, Para 7.4								-	-	-	-
A11.7.4.11 Perform Unit Level Test of MD-100 TR: TO 12P3-2APR46-2-1, Para 9.4								-	-	-	-
A11.7.4.12 Perform Unit Level Test of Omni Antenna TR: TO 12P3-2APR46-2, Para 6.3								-	-	-	-
A11.7.4.13 Perform MPT of APM-474 Test set TR: TO 33D7-13-224-1, Ch 5								-	-	-	-
A11.7.4.14 Perform Functional Check of Hot Mockup TR: TO 12P3-2APR46-2, Para 3.4.2, 2.4.3 & 12P3-2APR46-2-1, Para 3.6								-	-	-	-
A11.7.5 AN/USM-603 Electronic Test Set											

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.5.1 Power Procedures TR: TO 33D7-38-215-1, 33D-38-215-8-1											
A11.7.5.1.1 Station Full Power Up								-	-	-	-
A11.7.5.1.2 Power Down to Standby								-	-	-	-
A11.7.5.1.3 Power up from Standby								-	-	-	-
A11.7.5.1.4 Station Full Power Down								-	-	-	-
A11.7.5.2 Station Test Procedures											
A11.7.5.2.1 Perform Self-Test TR: TO 33D7-38-215-8-1								-	-	-	-
A11.7.5.2.2 Perform AEG TR: TO 33D7-38-215-8-1								-	-	-	-
A11.7.5.2.3 Perform PATEC TR: TO 33K9-4-27-1								-	-	-	-
A11.7.5.2.4 Perform ILATS Self-Test of ID-1, ID-2, ID-3, ID-C & Test Bench TR: TO 33D7-50-1-281								-	-	-	-
A11.7.5.3 Align Station Assemblies TR: TO 33D7-38-215-8-1											
A11.7.5.3.1 Multi-source Card								-	-	-	-
A11.7.5.3.2 GPIF Circuit Cards								-	-	-	-
A11.7.5.3.3 Station/UUT DC Power Supplies								-	-	-	-
A11.7.5.3.4 2A12 RF Drawer Assemblies								-	-	-	-
A11.7.5.4 Diagnostic Procedures											
A11.7.5.4.1 Run Station Diagnostic Software TR: TO 33D7-38-215-8-1								-	-	-	-
A11.7.5.4.2 Run ILATS Diagnostic Software TR: TO 33D7-38-288-1								-	-	-	-
A11.7.5.5 Perform Station Removal/Installation Procedures TR: TO 33D7-38-215-2-1, 33D7-50-1-281											
A11.7.5.5.1 RF Subcomponents								-	-	-	-
A11.7.5.5.2 Commercial Test Measurement Equipment								-	-	-	-
A11.7.5.5.3 Modified Memory/Disk Storage Unit								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.5.5.4 Resource Sharing Drawer								-	-	-	-
A11.7.5.5.5 Computer subassemblies								-	-	-	-
A11.7.5.5.6 Multi-source Assembly								-	-	-	-
A11.7.5.5.7 GPIF Circuit cards								-	-	-	-
A11.7.5.5.8 Station/UUT Power Supplies & Controls								-	-	-	-
A11.7.5.5.9 ILATS Subassemblies								-	-	-	-
A11.7.5.6 Install Software Updates											
A11.7.5.6.1 Save FX TR: TO 33D7-38-215-8-1								-	-	-	-
A11.7.5.6.2 LRURTP TR: TO 12P3-2ALQ172-8-1								-	-	-	-
A11.7.5.6.3 PATEC TR: TO 33K9-4-27-1								-	-	-	-
A11.7.5.7 Perform Scheduled Inspections								-	-	-	-
A11.7.6 AN/ALQ-172 I-LEVEL MX											
A11.7.6.1 Remove/Install SRU TR: TO 12P3-2ALQ172-XXX											
A11.7.6.1.1 LRU-1								-	-	-	-
A11.7.6.1.2 LRU-2								-	-	-	-
A11.7.6.1.3 LRU-3								-	-	-	-
A11.7.6.1.4 LRU-4								-	-	-	-
A11.7.6.1.5 LRU-5								-	-	-	-
A11.7.6.1.6 LRU-6								-	-	-	-
A11.7.6.1.7 LRU-10								-	-	-	-
A11.7.6.1.8 LRU-14								-	-	-	-
A11.7.6.1.9 LRU-15								-	-	-	-
A11.7.6.1.10 LRU-17								-	-	-	-
A11.7.6.1.11 LRU-18								-	-	-	-
A11.7.6.1.12 LRU-19								-	-	-	-
A11.7.6.1.13 LRU-20								-	-	-	-
A11.7.6.2 ALQ-172/USM-603 I-Level Repair											
A11.7.6.2.1 Perform LRU Test/Alignment Procedures TR: TO 12P3-2ALQ-172-XXX & CPIN											
A11.7.6.2.1.1 LRU-1								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.6.2.1.2 LRU-2								-	-	-	-
A11.7.6.2.1.3 LRU-3								-	-	-	-
A11.7.6.2.1.4 LRU-4								-	-	-	-
A11.7.6.2.1.5 LRU-5								-	-	-	-
A11.7.6.2.1.6 LRU-6								-	-	-	-
A11.7.6.2.1.7 LRU-10								-	-	-	-
A11.7.6.2.2 Perform LRU Diagnostics TR: TO 12P3-2ALQ-172-XXX & CPINS											
A11.7.6.2.2.1 LRU-1								-	-	-	-
A11.7.6.2.2.2 LRU-2								-	-	-	-
A11.7.6.2.2.3 LRU-3								-	-	-	-
A11.7.6.2.2.4 LRU-4								-	-	-	-
A11.7.6.2.2.5 LRU-5								-	-	-	-
A11.7.6.2.2.6 LRU-6								-	-	-	-
A11.7.6.2.2.7 LRU-10								-	-	-	-
A11.7.6.3 AN/ALM-252/ALQ-172 Hot Mockup											
A11.7.6.3.1 Operate TR: TO 33D7-13-109-1								-	-	-	-
A11.7.6.3.2 Inspect/clean/calibrate TR: TO 33D7-13-109-1								-	-	-	-
A11.7.6.3.3 Troubleshoot TR: TO 33D7-13-109-1								-	-	-	-
A11.7.6.3.4 Perform USM-464/ALM-252 testing TR: Local Checklist								-	-	-	-
A11.7.6.4 Enhanced Maintenance Test Station (EMTS) ALQ-172 Maintenance TR: 12P3-2ALQ-172-218-1 or -227-1 & CPINS											
A11.7.6.4.1 Power up/Power down								-	-	-	-
A11.7.6.4.2 Prepare for test environment								-	-	-	-
A11.7.6.4.3 Perform cable & test set calibration								-	-	-	-
A11.7.6.4.4 Perform RF Path/RFIU sweep tests								-	-	-	-
A11.7.6.4.5 Perform/analyze system enhanced self-test								-	-	-	-
A11.7.6.4.6 Reprogram LRUs								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.6.4.7 Normalize/align LRUs											
A11.7.6.4.7.1 LRU-1								-	-	-	-
A11.7.6.4.7.2 LRU-2								-	-	-	-
A11.7.6.4.7.3 LRU-3								-	-	-	-
A11.7.6.4.7.4 LRU-4								-	-	-	-
A11.7.6.4.7.5 LRU-10								-	-	-	-
A11.7.6.4.7.6 LRU-14								-	-	-	-
A11.7.6.4.7.7 LRU-15								-	-	-	-
A11.7.6.4.7.8 LRU-18								-	-	-	-
A11.7.6.4.8 Run Full/Abbreviated Go-Chain											
A11.7.6.4.8.1 V1 System Level								-	-	-	-
A11.7.6.4.8.2 V3 System Level								-	-	-	-
A11.7.6.4.8.3 LRU-1								-	-	-	-
A11.7.6.4.8.4 LRU-2								-	-	-	-
A11.7.6.4.8.5 LRU-3								-	-	-	-
A11.7.6.4.8.6 LRU-4								-	-	-	-
A11.7.6.4.8.7 LRU-5								-	-	-	-
A11.7.6.4.8.8 LRU-6								-	-	-	-
A11.7.6.4.8.9 LRU-10								-	-	-	-
A11.7.6.4.8.10 LRU-14								-	-	-	-
A11.7.6.4.8.11 LRU-15								-	-	-	-
A11.7.6.4.8.12 LRU-17								-	-	-	-
A11.7.6.4.8.13 LRU-18								-	-	-	-
A11.7.6.4.8.14 LRU-19								-	-	-	-
A11.7.6.4.8.15 LRU-20								-	-	-	-
A11.7.6.4.8.16 LRU-21								-	-	-	-
A11.7.6.4.9 EMTS-unique maintenance											
A11.7.6.4.9.1 Perform preventive maintenance								-	-	-	-
A11.7.6.4.9.2 Verify/calibration of commercial & non-commercial test equipment								-	-	-	-
A11.7.6.4.9.3 Remove/replace defective assemblies								-	-	-	-
A11.7.6.4.9.4 Reconfigure/load system computer software								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.6.4.9.5 Troubleshoot test set faults								-	-	-	-
A11.7.7 QRC 84-02A IR TRANSMITTER											
A11.7.7.1 Perform Checkout/Repair on Synchronizer TR: TO 12P3-5QRC84-2, Ch 7								-	-	-	-
A11.7.7.2 Perform Checkout/Repair on Control- Indicator TR: TO 12P3-5QRC84-2, Ch 8								-	-	-	-
A11.7.7.3 Perform Checkout on Transmitter set TR: TO 12P3-5QRC84-2, Para 6-6								-	-	-	-
A11.7.7.4 Perform repair/troubleshooting on Transmitter TR: TO 12P3-5QRC84-2								-	-	-	-
A11.7.7.5 Perform Pressure Checks & Purge/Fill Procedures TR: TO 12P3-5QRC84-2, Para 9-3, 9-4								-	-	-	-
A11.7.8 QRC 84-05 RADAR WARNING RECEIVER											
A11.7.8.1 Perform Checkout/Alignment of AMU TR: TO 12P3-5QRC84-22, table 6-1, Para 6-3								-	-	-	-
A11.7.8.2 Perform Checkout/Analysis of Pulse Analyzer TR: TO 12P3-5QRC84-32, Para 6-3								-	-	-	-
A11.7.8.3 Perform MPT of VCU Video/Splitter TR: TO 12P3-5QRC84-12, Table 6-1, 6-2								-	-	-	-
A11.7.8.4 Perform Checkout/Analysis of Remote Threshold Control Unit TR: TO 12P3-5QRC84-32, Para 8-3								-	-	-	-
A11.7.8.5 Perform Checkout/Analysis/Alignment of Azimuth Indicator TR: TO 12P3-2ALR46-22, Para 7-11, 7-15								-	-	-	-
A11.7.8.6 QRC 84-05 Support Equipment											
A11.7.8.6.1 Min Performance Test of Pulse Analyzer Group TR: TO 33D7-13-96-2, Para 6-1, 6-9								-	-	-	-
A11.7.8.6.2 Min Performance Test of VCU Test Set TR: TO 33D7-13-98-1, Para 6-5, 6-8								-	-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.8.6.3 Min Performance Test of AMU Test Set TR: TO 33D7-13-97-1, Para 6-5, 6-7								-	-	-	-
A11.7.9 AN/USM-464 FLIGHTLINE TEST CART											
A11.7.9.1 Remove/Apply Power TR: TO 33D7-13-86-1								-	-	-	-
A11.7.9.2 Perform OBIT TR: TO 33D7-13-85-1								-	-	-	-
A11.7.9.3 Perform ICAL TR: TO 33D7-13-85-1								-	-	-	-
A11.7.9.4 Remove/Install Subassemblies TR: TO 33D7-13-85-1								-	-	-	-
A11.7.9.5 Perform Scheduled Inspections TR: TO 33D7-13-85-1								-	-	-	-
A11.7.9.6 Perform Software Maintenance TR: TO 31S5-4-1569-1											
A11.7.9.6.1 Reprogram								-	-	-	-
A11.7.9.6.2 Winchester drive files maintenance								-	-	-	-
A11.7.9.7 Maintain Support Equipment											
A11.7.9.7.1 Operate USM-601 TR: TO 33D7-13-85-1, -86-1								-	-	-	-
A11.7.9.7.2 Perform USM-601 scheduled maintenance TR: TO 33D7-13-85-1, -86-1								-	-	-	-
A11.7.9.7.3 Perform DTS scheduled maintenance TR: TO 31S5-4-1569-1								-	-	-	-
A11.7.10 AN/AAR-47 IRWR											
A11.7.10.1 Perform Checkout/Repair of Control-Indicator TR: TO 12PA-2AAR47-2								-	-	-	-
A11.7.10.2 Perform Checkout/Repair of Central Processor Unit TR: TO 12PA-2AAR47-2								-	-	-	-
A11.7.10.3 Perform Checkout/Repair of Unit Test Set TR: TO 12PA-2AAR47-2								-	-	-	-
A11.7.11 AN/ALQ-157 IRCM SET											

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.11.1 Perform Checkout/Repair of Control-Indicator TR: NAVAIR 16-30ALQ157-1, WP0600								-	-	-	-
A11.7.11.2 Perform Checkout/Repair of Control Power Supply TR: NAVAIR 16-30ALQ157-1, WP0700								-	-	-	-
A11.7.11.3 Perform Checkout/Repair of IR Transmitter TR: NAVAIR 16-30ALQ157-1, WP0800								-	-	-	-
A11.7.11.4 Perform Operational Checkout on ALQ-157 Hot Mockup TR: NAVAIR 16-30ALQ157-1, WP0500								-	-	-	-
A11.7.12 AN/ALQ-162 COUNTERMEASURES R/T											
A11.7.12.1 Perform RF cable sweep test TR: TO 12P3-2ALQ162-8-1, Para 3-1.6								-	-	-	-
A11.7.12.2 Perform UMM Comm Interface test TR: TO 12P3-2ALQ162-8-1, Para 3-1.9								-	-	-	-
A11.7.12.3 Perform RT-1377A Test Procedures TR: TO 12P3-2ALQ162-8-1, Para 3-2								-	-	-	-
A11.7.12.4 Perform Remote Control Unit Test Procedure TR: TO 12P3-2ALQ-162-8-1, Para 3-3								-	-	-	-
A11.7.12.5 Troubleshoot RT-1377A TR: TO 12P3-2ALQ162-8-1, Para 3-4								-	-	-	-
A11.7.12.6 Remove/Install Components TR: NAVAIR 16-30ALQ162-1, Section 004 00								-	-	-	-
A11.7.12.7 ALQ-162 Test Program Interface Hardware (TPIH)											
A11.7.12.7.1 Perform Operational Check TR: TO 33D7-50-2080-1, Para 5-2								-	-	-	-
A11.7.12.7.2 Troubleshoot ILTF TR: TO 33D7-50-2080-1, Para 5-4								-	-	-	-
A11.7.12.7.3 Remove/Install TPIH Components TR: TO 33D7-50-2080-1, Para 5-5.1, 5-5.6								-	-	-	-
A11.7.13 AN/USM-639 ELECTRONIC TEST SET											

AFSOC TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.13.1 Perform Scheduled Maintenance TR: TO 33D7-13-206-2, Para 5-2								-	-	-	-
A11.7.13.2 Perform MTP Self-test/Diagnostics TR: TO 33D7-13-206-2, Para 5-4, 5-5								-	-	-	-
A11.7.13.3 Perform RF Cable Sweeps TR: TO 33D7-13-206-2, Para 5-6								-	-	-	-
A11.7.13.4 Perform MTP alignment/verification TR: TO 33D7-13-206-2, Para 5-7, 5-8								-	-	-	-
A11.7.13.5 Remove/Replace components TR: TO 33D7-13-206-2, Para 5-9								-	-	-	-
A11.7.13.6 Load UMM with Software TR: TO 33D7-42-65-1, Para 4-5 thru 4-6								-	-	-	-
A11.7.13.7 Perform USM-644 calibrator setup/alignments TR: TO 33D7-13-206-2, Para 2-2.1, 2.2.2								-	-	-	-

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
Attachment 12											
NOTE 1: All course requirements are trained in the 3-level wartime course. The 7-level in-residence course will not be taught in wartime.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items marked in columns 2a or 2b marked with an (*R) are optional core tasks for ANG and AFRC.											
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7899.											
NOTE 5: Items shown in parentheses are taught to the designated level in J3ABR2A533C 002, Electronic Warfare Systems Apprentice Course, located at Sheppard AFB, TX.											
A12.1 BASIC TERMS TR: TOs 31-1-141-2, -5											
A12.1.1 Metric Notation								B	-	-	-
A12.1.2 Direct Current (DC) terms								B	-	-	-
A12.1.3 Alternating Current (AC) terms								B	-	-	-
A12.2 BASIC CIRCUITS TR: TOs 31-1-141-2, -5											
A12.2.1 Theory of Operation								B	-	-	-
A12.2.2 Troubleshoot Circuits								-	-	-	-
A12.3 BASIC CIRCUIT CALCULATIONS TR: TO 31-1-141-5											
A12.3.1 DC								B	-	-	-
A12.3.2 AC								B	-	-	-
A12.4 RESISTORS TR: TOs 31-1-141-2, -15											
A12.4.1 Theory of Operation								B	-	-	-
A12.4.2 Isolate faulty resistors								-	-	-	-
A12.4.3 Color code								-	-	-	-
A12.5 RELAYS/SOLENOIDS TR: TOs 31-1-141-2, -3											
A12.5.1 Relay Theory of Operation								B	-	-	-
A12.5.2 Isolate faulty relays								-	-	-	-
A12.5.3 Solenoid Theory of Operation								-	-	-	-
A12.5.4 Isolate faulty solenoids								-	-	-	-
A12.6 INDUCTORS TR: TOs 31-1-141-2, -15											
A12.6.1 Theory of Operation								B	-	-	-
A12.6.2 Isolate faulty inductors								-	-	-	-

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.6.3 Calculations								-	-	-	-
A12.7 CAPACITORS TR: TOs 31-1-141-2, -5, -15											
A12.7.1 Theory of Operation								B	-	-	-
A12.7.2 Isolate faulty capacitors								-	-	-	-
A12.7.3 Calculations								-	-	-	-
A12.7.4 Color code								-	-	-	-
A12.8 TRANSFORMERS TR: TOs 31-1-141-2, -5, -15											
A12.8.1 Theory of Operation								B	-	-	-
A12.8.2 Isolate faulty transformers								2b	-	-	-
A12.8.3 Calculations								B	-	-	-
A12.9 THREE PHASE TRANSFORMERS TR: TOs 31-1-141-2, -15											
A12.9.1 Theory of Operation								B	-	-	-
A12.9.2 Isolate faulty three phase transformers								-	-	-	-
A12.10 DC MOTORS TR: TOs 31-1-141-2, -9											
A12.10.1 Theory of Operation								B	-	-	-
A12.10.2 Troubleshoot DC motors								-	-	-	-
A12.11 AC MOTORS TR: TOs 31-1-141-2, -9											
A12.11.1 Theory of Operation								B	-	-	-
A12.11.2 Trouble shoot AC motors								-	-	-	-
A12.12 DC GENERATORS TR: TOs 31-1-141-2, -9, -13											
A12.12.1 Theory of Operation								B	-	-	-
A12.12.2 Troubleshoot DC generators								-	-	-	-
A12.13 AC GENERATORS TR: TOs 31-1-141-2, -9, -13											
A12.13.1 Theory of Operation								B	-	-	-
A12.13.2 Troubleshoot AC generators								-	-	-	-
A12.14 ALTERNATORS TR: TOs 31-1-141-2, -9											
A12.14.1 Theory of Operation								-	-	-	-
A12.14.2 Troubleshoot alternators								-	-	-	-

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.15 SYNCHRO/SERVOES TR: TOs 31-1-141-2, -9											
A12.15.1 Theory of Operation								B	-	-	-
A12.15.2 Troubleshoot synchro/servos								-	-	-	-
A12.16 CHOPPERS (SYNCHRONOUS VIBRATORS) TR: TO 31-1-141-2											
A12.16.1 Theory of Operation								-	-	-	-
A12.16.2 Isolate faulty choppers								-	-	-	-
A12.17 TRANSDUCERS TR: TOs 31-1-141-3, -13											
A12.17.1 Theory of Operation								B	-	-	-
A12.17.2 Isolate faulty transducers								-	-	-	-
A12.18 METER MOVEMENTS TR: TOs 31-1-141-2, -7, -14C											
A12.18.1 Theory of Operation								-	-	-	-
A12.18.2 Isolate faulty meter movements								-	-	-	-
A12.19 SOLID STATE DIODES TR: TOs 31-1-141-4, -15											
A12.19.1 Theory of Operation								B	-	-	-
A12.19.2 Isolate faulty solid state diodes								-	-	-	-
A12.19.3 Specifications								-	-	-	-
A12.19.4 Color code								-	-	-	-
A12.20 BIPOLAR JUNCTION TRANSISTORS TR: TO 31-1-141-4											
A12.20.1 Theory of Operation								-	-	-	-
A12.20.2 Isolate faulty transistors								-	-	-	-
A12.20.3 Specifications								-	-	-	-
A12.21 INTEGRATED CIRCUITS TR: TO 31-1-141-4											
A12.21.1 Familiarization								B	-	-	-
A12.21.2 Isolate faulty integrated circuits								-	-	-	-
A12.21.3 Specifications								-	-	-	-
A12.22 SOLID STATE SPECIAL PURPOSE DEVICES TR: TO 31-1-141-4											
A12.22.1 Theory of Operation											

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.22.1.1 Silicon Controlled Rectifier (SCR)								B	-	-	-
A12.22.1.2 Zener diode								B	-	-	-
A12.22.1.3 Tunnel diode								B	-	-	-
A12.22.1.4 Light Emitting Diode (LED)								B	-	-	-
A12.22.1.5 Liquid Crystal Diode (LCD)								B	-	-	-
A12.22.1.6 Unijunction Transistor (UJT)								B	-	-	-
A12.22.1.7 Junction Field Effect Transistor (JFET)								B	-	-	-
A12.22.1.8 Metal Oxide Semi-Conductor Field Effect Transistor (MOSFET)								B	-	-	-
A12.22.2 Isolate faulty special purpose devices								-	-	-	-
A12.23 ELECTRON TUBES											
A12.23.1 Theory of Operation								-	-	-	-
A12.23.2 Isolate faulty electron tubes								-	-	-	-
A12.23.3 Specifications								-	-	-	-
A12.24 CATHODE RAY TUBES (CRT) TR: TOs 31-1-141-1, -3											
A12.24.1 Theory of Operation								B	-	-	-
A12.24.2 Isolate faulty CRTs								-	-	-	-
A12.25 SOLDER/DESOLDER TR: TOs 00-25-234, 1-1A-14, 31-1-141-15											
A12.25.1 Terminal connections								2b	-	-	-
A12.25.2 Printed Circuit (PC) boards								-	-	-	-
A12.25.3 Multi-pin connectors								2b	-	-	-
A12.25.4 Coaxial connectors								2b	-	-	-
A12.26 ASSEMBLE/DISASSEMBLE SOLDERLESS CONNECTORS TR: TOs 1-1A-14, 31-1-141-15											
A12.26.1 Crimp connections								2b	-	-	-
A12.26.2 Coaxial connections								2b	-	-	-
A12.26.3 Multi-pin connections								2b	-	-	-
A12.27 USE TEST EQUIPMENT TR: TOs 31-1-141-1, -7, -8, -9, -10											
A12.27.1 Analog multi-meter								2b	-	-	-
A12.27.2 Oscilloscope								(2b)	B	-	-
A12.27.3 Signal Generator								(2b)	B	-	-

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.27.4 Frequency counter								(2b)	B	-	-
A12.27.5 Spectrum Analyzer								(2b)	B	-	-
A12.27.6 Field Strength Tester								-	-	-	-
A12.27.7 Digital multi-meter								2b	B	-	-
A12.27.8 Digital logic probe								-	-	-	-
A12.27.9 Capacitor tester								-	-	-	-
A12.27.10 Capacitor substitution box								-	-	-	-
A12.27.11 DC restorer								-	-	-	-
A12.27.12 Logic current tracer								-	-	-	-
A12.27.13 Tube tester								-	-	-	-
A12.27.14 Logic pulser								-	-	-	-
A12.27.15 Logic analyzer								-	-	-	-
A12.27.16 Signature analyzer								-	-	-	-
A12.27.17 Reflectometer		*						2b	B	-	-
A12.27.18 Power Meter								(2b)	B	-	-
A12.27.19 Pulse Generator								(2b)	B	-	-
A12.28 TRANSISTOR AMPLIFIER CIRCUITS TR: TOs 31-1-141-1, -4											
A12.28.1 Theory of Operation											
A12.28.1.1 Amplifier circuits								(B)	-	-	-
A12.28.1.2 Stabilization circuits								-	-	-	-
A12.28.1.3 Coupling circuits								-	-	-	-
A12.28.2 Troubleshoot circuits								-	-	-	-
A12.29 ELECTRON TUBE AMPLIFIERS TR: TO 31-1-141-3											
A12.29.1 Theory of Operation								-	-	-	-
A12.29.2 Troubleshoot circuits								-	-	-	-
A12.30 OPERATIONAL AMPLIFIERS (OP AMPS) TR: TO 31-1-141-4											
A12.30.1 Theory of Operation								B	-	-	-
A12.30.2 Isolate faulty operational amplifiers								-	-	-	-
A12.31 MAGNETIC AMPLIFIERS TR: TO 31-1-141-4											
A12.31.1 Theory of Operation								-	-	-	-
A12.31.2 Troubleshoot circuits								-	-	-	-

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.32 SATURABLE REACTORS TR: TO 31-1-141-4											
A12.32.1 Theory of Operation								-	-	-	-
A12.32.2 Troubleshoot circuits								-	-	-	-
A12.33 POWER SUPPLY CIRCUITS TR: TOs 31-1-141-3, -4, -9, -15											
A12.33.1 Theory of Operation											
A12.33.1.1 Rectifiers								B	-	-	-
A12.33.1.2 Filters								B	-	-	-
A12.33.2 Troubleshoot circuits								-	-	-	-
A12.34 VOLTAGE REGULATORS TR: TOs 31-1-141-3, -4											
A12.34.1 Theory of Operation								B	-	-	-
A12.34.2 Troubleshoot circuits								-	-	-	-
A12.35 RESISTIVE/CAPACITIVE/INDUCTIVE (RCL) CIRCUITS TR: TOs 31-1-141-2, -5											
A12.35.1 Basic operation								B	-	-	-
A12.35.2 Resonant operation								B	-	-	-
A12.35.3 Troubleshoot circuits								-	-	-	-
A12.35.4 Calculations								-	-	-	-
A12.36 FREQUENCY SENSITIVE FILTERS TR: TO 31-1-141-2											
A12.36.1 Theory of Operation								B	-	-	-
A12.36.2 Troubleshoot circuits								-	-	-	-
A12.36.3 Calculations								-	-	-	-
A12.37 WAVE GENERATION CIRCUITS TR: TOs 31-1-141-3, -4, -10											
A12.37.1 Theory of Operation											
A12.37.1.1 Oscillators								B	-	-	-
A12.37.1.2 Multivibrators								B	-	-	-
A12.37.1.3 Waveshaping circuits								B	-	-	-
A12.37.2 Troubleshoot circuits								-	-	-	-
A12.38 LIMITER CIRCUITS TR: TO 31-1-141-4											
A12.38.1 Theory of operation											

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.38.1.1 Diode								B	-	-	-
A12.38.1.2 Zener diode								B	-	-	-
A12.38.1.3 Transistor								B	-	-	-
A12.38.2 Troubleshoot circuits								-	-	-	-
A12.39 CLAMPER CIRCUITS TR: TO 31-1-141-4											
A12.39.1 Theory of Operation								-	-	-	-
A12.39.2 Troubleshoot circuits								-	-	-	-
A12.40 DIGITAL NUMBERING SYSTEMS TR: TO 31-1-141-5											
A12.40.1 Conversion											
A12.40.1.1 Binary								B	-	-	-
A12.40.1.2 Octal								B	-	-	-
A12.40.1.3 Hexadecimal								B	-	-	-
A12.40.2 Math operations											
A12.40.2.1 Binary								B	-	-	-
A12.40.2.2 Octal								B	-	-	-
A12.40.2.3 Hexadecimal								B	-	-	-
A12.40.3 Binary code systems								B	-	-	-
A12.41 DIGITAL LOGIC FUNCTIONS TR: TOs 31-1-141-4, -9											
A12.41.1 Theory of Operation											
A12.41.1.1 Main Logic Gates								B	-	-	-
A12.41.1.2 Flip-Flops								B	-	-	-
A12.41.2 Troubleshoot circuits								-	-	-	-
A12.41.3 Logic families											
A12.41.3.1 Transistor to Transistor Logic (TTL)								B	-	-	-
A12.41.3.2 Complementary Metal Oxide Semi-Conductor (CMOS)								B	-	-	-
A12.42 BOOLEAN EQUATIONS TR: TO 31-1-141-5											
A12.42.1 Diagram to equation								B	-	-	-
A12.42.2 Equation to diagram								B	-	-	-
A12.42.3 Simplify expressions								-	-	-	-

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.43 COMPUTERS TR: TOs 31-1-141-6C, -9											
A12.43.1 Operation principles								B	-	-	-
A12.43.2 Load programs								B	-	-	-
A12.43.3 Write and debug programs								-	-	-	-
A12.43.4 Isolate faulty major computer units								-	-	-	-
A12.43.5 Troubleshoot computer subassemblies or circuits								-	-	-	-
A12.43.6 Types of memories								B	-	-	-
A12.43.7 Peripheral devices								B	-	-	-
A12.43.8 Programming languages								-	-	-	-
A12.44 MICROPROCESSOR CONTROLLED SYSTEMS TR: TOs 31-1-141-6C, -9											
A12.44.1 Theory of operation											
A12.44.1.1 Basic								B	-	-	-
A12.44.1.2 Universal								B	-	-	-
A12.44.1.3 8085 Specific								B	-	-	-
A12.44.2 Isolate faulty microprocessors								-	-	-	-
A12.45 LOGIC CIRCUITS TR: TOs 31-1-141-3, -5, -9, -13											
A12.45.1 Theory of Operation											
A12.45.1.1 Counters								B	-	-	-
A12.45.1.2 Registers								-	-	-	-
A12.45.1.3 Combinational logic circuits								-	-	-	-
A12.45.2 Troubleshoot circuits								-	-	-	-
A12.46 DIGITAL TO ANALOG AND ANALOG TO DIGITAL CONVERTERS TR: TO 31-1-141-13											
A12.46.1 Theory of Operation											
A12.46.1.1 Weighted Resistor digital to analog D/A)								B	-	-	-
A12.46.1.2 Approximation analog to digital (A/D)								B	-	-	-
A12.46.1.3 Ramp analog to digital (A/D)								B	-	-	-
A12.46.2 Isolate faulty converters								-	-	-	-

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.47 TRANSMISSION LINES TR: TOs 31-1-141-7, -8, -9, -11											
A12.47.1 Theory of Operation								B	-	-	-
A12.47.2 Perform measurements								-	-	-	-
A12.47.3 Calculations								-	-	-	-
A12.47.4 Isolate faulty transmission lines								-	-	-	-
A12.48 WAVEGUIDES TR: TOs 31-1-141-9, -11											
A12.48.1 Theory of Operation								B	-	-	-
A12.48.2 Isolate faulty waveguides								-	-	-	-
A12.49 MICROWAVE OSCILLATORS AND AMPLIFIERS TR: TOs 31-1-141-3, -10, -11											
A12.49.1 Theory of Operation								B	-	-	-
A12.49.2 Tune or adjust								-	-	-	-
A12.49.3 Isolate faulty microwave oscillators and amplifiers								-	-	-	-
A12.50 RESONANT CAVITIES TR: TOs 31-1-141-3, -9, -11											
A12.50.1 Theory of Operation								B	-	-	-
A12.50.2 Isolate faulty resonant cavities								-	-	-	-
A12.50.3 Tune or adjust								-	-	-	-
A12.51 TRANSMITTERS TR: TOs 31-1-141-4, -9, -13											
A12.51.1 Theory of Operation											
A12.51.1.1 Amplitude Modulation								B	-	-	-
A12.51.1.2 Frequency Modulation								B	-	-	-
A12.51.1.3 Single Side Band								B	-	-	-
A12.51.1.4 Pulse Modulation								B	-	-	-
A12.51.2 Troubleshoot circuits								-	-	-	-
A12.52 RECEIVERS TR: TOs 31-1-141-4, -9, -13											
A12.52.1 Theory of Operation											
A12.52.1.1 Amplitude Modulation								B	-	-	-
A12.52.1.2 Frequency Modulation								B	-	-	-

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.52.1.3 Single Side Band								B	-	-	-
A12.52.1.4 Pulse Modulation								B	-	-	-
A12.52.2 Troubleshoot circuits								-	-	-	-
A12.53 TRANSMISSION POWER TR: TOs 31-1-141-7, -8, -11											
A12.53.1 Perform measurements								-	-	-	-
A12.53.2 Calculations								-	-	-	-
A12.54 ANTENNAS TR: TO 31-1-141-12											
A12.54.1 Theory of Operation								B	-	-	-
A12.54.2 Perform alignments								-	-	-	-
A12.54.3 Isolate faulty antennas								-	-	-	-
A12.55 MICROPHONES TR: TO 31-1-141-3											
A12.55.1 Theory of Operation								-	-	-	-
A12.55.2 Troubleshoot circuits								-	-	-	-
A12.56 SPEAKERS											
A12.56.1 Theory of Operation								-	-	-	-
A12.56.2 Troubleshoot circuits								-	-	-	-
A12.57 PHOTSENSITIVE DEVICES TR: TOs 31-1-141-3, -4											
A12.57.1 Theory of Operation								-	-	-	-
A12.57.2 Isolate faulty photosensitive devices								-	-	-	-
A12.58 DISPLAY TUBES TR: TO 31-1-141-3											
A12.58.1 Theory of Operation								-	-	-	-
A12.58.2 Isolate faulty display tubes								-	-	-	-
A12.59 SUPPORT SUBJECTS TR: TOs 31-1-141-1, 00-25-234 AFR 80-23, 700-13											
A12.59.1 Practice safety applicable to electronics								B	-	-	-
A12.59.2 First aid for electrical shock								B	-	-	-
A12.59.3 Electrostatic discharge (ESD) control								B	-	-	-
A12.59.4 Electromagnetic effects on electronic equipment											
A12.59.4.1 Pulse (EMP)								-	-	-	-

ELECTRONIC FUNDAMENTALS TRAINING REQUIREMENTS

2A5X3C

1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.59.4.2 Interference (EMI)								-	-	-	-
A12.59.4.3 Compatibility (EMC)								-	-	-	-

SECTION B - COURSE OBJECTIVE LIST

4. Measurement: Each proficiency code STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is composed of a condition, behavior, and standard which state what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc.). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter code(s) to identify how it is measured. All objectives use the PC code(s), which indicates a progress check is used to measure subject or task knowledge. W indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. PC/W indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard: The minimum standard for written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all progress checks prior to taking the written test.

6. Proficiency Level: Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A, of this CFETP for an explanation of the proficiency codes. Most task performance are taught to the "2b" proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the "3c" proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objectives: A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to the AETC Training Manager, 365 TRS/TRR, 609th Ave., Stop 22, Sheppard AFB TX 76311-2335.

SECTION C - SUPPORT MATERIAL:

8. The following list of support materials is not inclusive; however, it covers the most frequently referenced areas. For further information on the following courses, contact the OPR at:

333 TRS/TTCQS 782 TRG
601 D Street 826 Avenue G Suite 4
Keesler AFB, MS 39534-2229 Sheppard AFB TX 76311-2867
DSN 597-5893 DSN 736-256

362 TRS/TRR
613 10th Street Sheppard AFB TX 76311-2352
DSN 736-2996

Course Number	Course Title	OPR
*AFQTP 2EXXX-201L	Workcenter Managers Handbook	333 TRS
*AFQTP2EXX-201LB	C-E Managers Handbook	333 TRS
ECI Specialized Course 1200	Air Force Technical Orders	782 TRG
*AFQTP 2EXXX-201G	Maintenance Support	333 TRS
*AFQTP 2EXXX-201P	TMDE Management	333 TRS
*AFQTP 2EXXX-201J	Maintenance Training Program	333 TRS

*Courses can be downloaded from 333 TRS home page at: <http://qflight.kee.aetc.af.mil>

Course Number	Course Title	OPR
**J6ANU00066-038	Air Force Technical Order System General	362 TRS
**J6ANU00066-039	Air Force Technical Order System (Advanced)	362 TRS

**These courses are Computer Based Training (CBT), and may be requested as any other course. Courses are listed at web site <http://hq2af.keesler.af.mil/ETCA.htm> (formerly AFCAT 36-2223).

SECTION D - TRAINING COURSE INDEX

9. Purpose: This section of the CFETP identifies training courses available for the Electronic Warfare Systems specialty and shows how the courses are used by each MAJCOM in their career field training programs.

10. Air Force In-Resident Courses: Contact the course OPR at:

372 TRS/TXC
912 U Ave, Suite 3
Sheppard AFB TX 76311
DSN: 736-4788

Refer to web site <http://hq2afkeesler.af.mil/ETCA.htm> (formerly AFCAT 36-2223, USAF Formal Schools Catalog), for information on all courses listed in this index.

Course Number	Course Title	LOCATION	USER
2A1X7-000	QRC-84-02A Infrared Countermeasures System Technician I-Level Maintenance	372 TRS	C-130
2A1X7-001	EC-130H Special System, Electronic Countermeasures (ECM) (C3CM)	372 TRS	C-130
2A1X7-002	AN/ALQ-175 C/M Set, High Band 2 Subsystem Maintenance (EC-130H)	372 TRS	C-130
2A1X7-012	10-HIGH Electronic Warfare System Technician	372 TRS	C-135
2A1X7-019	B-52H Electronic System Craftsman/Flightline	372 TRS	B-52
2A1X7-020	AN/AAR-44 Infrared Warning Receiver Technician I-Level Maintenance	372 TRS	C-130
2A1X7-023	MC-130H Electronic Warfare System Technician O-Level Maintenance	372 TRS	C-130
2A1X7-025	AN/APR-46A Panoramic Receiver System Technician I-Level Maintenance	372 TRS	C-130
2A1X7-032	AC-130U Electronic Warfare Systems (O-Level)	372 TRS	C-130
2A1X7-033	RC-135 Electronic Warfare (Condor Hawk Receiver) (O-Level)	372 TRS	C-135
2A1X7-041	AN/ALQ-131 (Block II) Electronic Warfare System Technical	372 TRS	AF
2A1X7-042	AN/ALE-40 Countermeasure Dispensing Set, (O/I Level)	372 TRS	AF
2A1X7-043	AN/ALR-69 Electronic Countermeasure System Craftsman	372 TRS	AF
2A1X7-044	Electronic Warfare Systems Craftsman (O-Level) MH-53J	372 TRS	MH-53J
2A1X7-045	Electronic Warfare Systems (O-Level) MH-60G	372 TRS	MH-60G
2A1X7-046	E-3 Electronic Support Measures (ESM) Familiarization	372 TRS	E-3
2A1X7-048	AN/USM-639 Electronic Equipment Test Set (O-Level)	372 TRS	C-130
2A1X7-049	AN/USM-639 Electronic Equipment Test Set (I-Level)	372 TRS	C-130
2A1X7-061	C-130E/H Electronic Warfare Systems (O-Level)	373 TRS	C-130E/H

11. Extension Course Institute (ECI) Courses:

365 TRS/TRR
609 9th Avenue
Sheppard AFB, TX 76311-2335
DSN 736-7899

Course Number	Course Title	USER
CDC 2A533C	Electronic Warfare Systems Journeyman	EW
Volume 1	Maintenance Principles, Part 1	EW
Volume 2	Maintenance Principles, Part 2	EW
Volume 3	Avionic Systems Maintenance	EW
Volume 4	Avionic Test Equipment	EW
Volume 5	Electronic Warfare Principles	EW
Volume 6	Electronic Warfare Systems	EW

12. Exportable Courses:

For further information on the following exportable courses, contact the OPRs at:

316 TRS/DOBX AETC/TSS 332 TRS/TTKVT
259 Griffin Avenue 6058 Aspen Avenue 817 Hercules St, Suite 101
Goodfellow AFB TX, Hill AFB UT 84056-5805, Keesler AFB MS
DSN 777-7830/8741 DSN 736-5206

The following Interactive Courseware (ICW) is available from, or under development by 367 TRS/TRSS at Hill AFB Utah. To obtain more information about each course, request a copy of the Courseware Catalog from the DSN 777-0160. To request ordering information on hardware, your MAJCOM training POC (for ACC, AMC, and ANG) is the first stop. For personnel under other Modicums, you contact them directly; they will provide you the information required for purchasing the item through them. If you decide to purchase the system, they will FAX you the AF Form 616 to use for an example. The 367 TRSS Internet site is:
<http://www.hill.af.mil/376TRSS/index.htm>. The Hill AFB course catalog can be ordered from DSN 777-0160.

Course Number	Course Title	OPR	USER
00TVT0000	FOD Prevention (VHS tape)	AETC/TSS	ACC
00TVT0001	Safety and Radio Frequency (RF) Radiation (VHS tape)	AETC/TSS	ACC
00TVT0001	Troubleshooting Techniques (ICW)	AETC/TSS	ACC
00TVT0002	Aerospace Ground Equipment Training (ICW)	AETC/TSS	ACC
00TCB002V1	Multimeter Familiarization (ICW)	AETC/TSS	ACC
00TIV0007	Potential Hazards of Oxygen Enriched Environments (VHS tape)	AETC/TSS	ACC

00CIV0008	Use and Care of Type III Torque Wrenches (ICW)	AETC/TSS	ACC
00CVT0009	Torque Wrench, Use and Care (VHS tape)	AETC/TSS	ACC
00TVT0011	Cold Weather Indoctrination (VHS tape)	AETC/TSS	ACC
00CVT0012	Manual Acft Snow Removal (VHS tape)	AETC/TSS	ACC
00TVT0017V1	General Aircraft Corrosion Control (VHS tape)	AETC/TSS	ACC
00TIC1000	Aircraft Marshaling (ICW)	AETC/TSS	ACC
00PIV23X1	Automated Ground Engine Test Set (ICW)	AETC/TSS	ACC
01SIV8971V5.1.1	-86 Diesel Power Unit Operation (ICW)	AETC/TSS	ACC
00SIV8972	MA-3D Air Conditioner Operation (ICW)	AETC/TSS	ACC
X6AZY2A157 000	Modularized Interpretable Surface Terminal (MIST) (CBT)	316 TRS	AIA
J6AZU2E066 038	Air Force Technical Order (TO) System Gen)	332 TRS	AF
J6AZU2E066 039	Air Force Technical Order (TO) System (Gen) (Adv)	332 TRS	AF
J6AZU2E066 058	Air Force Maintenance Data Collection System (CAMS)	332 TRS	AF
J6AZU2E066 059	Air Force Maintenance Data Collection System (CAMS)	332 TRS	AF
J6AZU2E066 061	Air Force Maintenance Data Collection System (CAMS) Operators Course (Intro)	332 TRS	AF
J6AZU2E066 062	Air Force Maintenance Data Collection System (CAMS) Mid Level Maintenance Mgrs	332 TRS	AF

13. Training Detachment (TD) Courses:

For further information on the TD courses, contact the OPRs at:

372 TRS 373 TRS
912 I Ave, Suite 3 912 I Ave., Suite 3
Sheppard AFB TX 76311-2361 Sheppard AFB TX 76311-2361
DSN 736-4801 DSN 736-4750

14. Courses Under Development/Revision:

367 TRS/TRSS 372 TRS
6058 Aspen Avenue 912 I Avenue, Suite 3
Hill AFB UT 84056-5805 Sheppard AFB TX 76311-2361
DSN 777-7830/8741 DSN 736-4801

Course Number	Course Title	OPR	USER
C6ANU00TVT7506	Combat Sortie Generation	367 TRSS	AF
15AWS00TPB1000	Airframe and Powerplant Qualification Training Package (QTP)	367 TRSS	AF

SECTION E - MAJCOM UNIQUE REQUIREMENTS

15. Currently only Air Combat Command (ACC) has a MAJCOM mandatory course list (MMCL). MAJCOMs change mandatory course requirements occasionally. Up-to-date ACC requirements can be obtained at <http://xo.acc.af.mil/xom/XOMM/XOMM.html>. After access, click on "training" and then on MMCL". Refer to the HQ ACC MMCL for additional information.

16. Additional courses available from ACC.

Contact the course OPRs at:

HQ ACC LSG/OL-CA
6058 Aspen
Hill AFB UT 84056-5895; DSN 777-4278

Course Number	Course Title	OPR	USER
AIA2A1X7-001	Ground Data Processing System Management Course	HQ AIA	AIA
Y140009	ACC Production Superintendent	HQ/ACC/ LSG	ACC
Y140015	ACC Maintenance Instructor	HQ/ACC/ LSG	ACC
Y140020	ACC Maintenance Training Management	HQ/ACC/ LSG	ACC